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**Nº 408**

**Economic Research Aid**

**ECONOMIC INTELLIGENCE  
STATISTICAL HANDBOOK  
1961**



**CIA/RR A.ERA 61-3**

**June 1961**

**CENTRAL INTELLIGENCE AGENCY  
Office of Research and Reports**

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W A R N I N G

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## FOREWORD

1. *Objectives and Scope*

The *Economic Intelligence Statistical Handbook, 1961* is a statistical presentation of economic factors helpful in analyzing the economies of the countries of the Sino-Soviet Bloc\* and in comparing these economies with the economies of the countries of the North Atlantic Treaty Organization (NATO).\*\* The *Handbook* for 1961 is similar in content and format to previously published editions. Certain minor changes, however, have been made to improve the effectiveness of the publication.

The data for the *Handbook* are presented for the years 1950, 1955, 1958-60, and 1965, with the exception of the data for individual countries of NATO and the Free World, which are presented for the latest 2 years available. In the tables the title, the stub, and the footnotes indicate the countries covered. Certain of the more important economic data are presented graphically and in summary tables. The summary tables compare selected economic indicators for the US and the USSR and for Communist China and India.

2. *Sources and Reliability*

In the *Handbook* for 1961, estimates for the Sino-Soviet Bloc are as of 1 May 1961 and generally are estimates maintained by this Office. When estimates other than

\*Including the USSR, Communist China, North Korea, North Vietnam, Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Rumania.

\*\*Including the US, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, and West Germany. The Saar has been treated as a separate entity for certain commodities because its industrial production often is listed separately in the sources used. Data for Alaska and Hawaii, when available, have been included in the total for the US.

those of this Office are used, specific source references are given. Data for countries of NATO generally are from unclassified publications of the United Nations and the Organization for European Economic Cooperation (OEEC) and from official publications of the individual countries. Data for the most recent year presented are frequently preliminary and subject to revision. Reasonable care has been exercised in selecting sources, and every effort has been made to make the data for the Bloc and NATO consistent as to subject matter.

3. *Footnotes and Symbols*

The importance of the footnotes in the tables cannot be overstressed. These footnotes are used for exceptions to data in the tables and should be noted carefully. In the tables the abbreviations *N.A.* (not available) and *Negl.* (negligible) are used. The abbreviation *N.A.* is used when information as to the existence of the data or the magnitude of the data is not available. The abbreviation *Negl.* is used when data are known to exist but, when recorded in terms of the number of digits used, are less than can be shown.

4. *Rounding and Totals*

Within each table, data for the individual countries have been rounded consistently to permit maximum use of available information. Because of the limitations in accuracy of the totals for NATO, for the Sino-Soviet Bloc, and for the European Satellites, totals, which are in boldface type, have been rounded, with few exceptions, to three significant digits. In general, zeroes appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentations. Because of rounding, components may not add to the totals shown.

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No adjustment is made in the data to compensate for gaps in intelligence. Totals are omitted, however, if the missing data are believed to represent a significant part of the total. Excluded are the countries of the Bloc in which little or no production

takes place or for which data are not available.

5. *Political Boundaries*

Unless otherwise indicated, all data relate to present political boundaries.

SELECTED CONVERSION FACTORS  
(Weights and Measures)

To Convert from	To	Multiply by
Tons (short) .....	Tons (metric) .....	0.907185
Tons (long) .....	Tons (metric) .....	1.016047
Pounds .....	Tons (metric) .....	0.00045359
Ton-miles (short) .....	Ton-kilometers (metric) .....	1.45997
Miles (US, statute) .....	Kilometers .....	1.60935
Miles (nautical) .....	Kilometers .....	1.85325
Feet .....	Meters .....	0.3048
Yards (square) .....	Meters (square) .....	0.8361
Acres .....	Hectares .....	0.4047
Miles (square) .....	Hectares .....	259
Miles (square) .....	Kilometers (square) .....	2.59
Feet (cubic) .....	Meters (cubic) .....	0.0283
Meters (square) .....	Feet (square) .....	10.7639
Kilometers (square) .....	Hectares .....	100

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### B. MAPS

(Inside Back Cover)

USSR: Fuel Reserves  
 USSR: Minerals  
 USSR: Metallurgy  
 USSR: Chemical Industry

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AGGREGATIVE DATA

Table 1  
Indexes of Industrial Production <sup>a</sup> for the US, Selected Western Countries, and the Sino-Soviet Bloc  
Selected Years, 1950-60

								1950 = 100
								Average Annual Increase <sup>b</sup> (Percent) 1951-60
Country	1950	1955	1956	1957	1958	1959	1960	
<b>Selected Western Countries</b>								
US <sup>c</sup> .....	100*	129*	133*	134*	125*	141*	145*	3.8*
France.....	100*	131*	144*	156*	163*	171*	186*	6.4*
Italy.....	100*	153*	164*	177*	183*	203*	230*	8.7*
UK.....	100*	121*	121*	123*	121*	130*	139*	3.3*
West Germany.....	100*	179*	193*	204*	211*	225*	250*	9.6*
<b>Sino-Soviet Bloc</b>								
USSR <sup>d</sup> .....	100	167	184	198	213	231	N.A. <sup>e</sup>	"
Communist China <sup>f</sup> .....	100	269	343	368	522	663	769	22.6
European Satellites <sup>g</sup> .....	100	157	164	180	198	215	234	8.9
Bulgaria.....	100	154	171	197	220	258	288	11.2
Czechoslovakia.....	100	134	144	159	178	190	209	7.7
East Germany.....	100	170	179	189	204	222	235	8.9
Hungary.....	100*	171*	155*	181*	203*	222*	252*	9.7*
Poland.....	100	158	168	183	198	214	232	8.8
Rumania.....	100	155	166	184	209	229	260	10.0

<sup>a</sup> Indexes for the US, France, Italy, the UK, and West Germany are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. The index for the UK includes construction, whereas the indexes for the other Western countries exclude construction. The indexes of the countries of the Sino-Soviet Bloc are calculations of this Office (or other calculations accepted by this Office) and are constructed as nearly as possible on the same basis as the indexes for Western countries. The indexes for the Bloc include manufacturing, mining, and public utilities. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> The base year for the computation of the rate of growth is 1950.

<sup>c</sup> This index is the revised industrial production index of the US Federal Reserve Board, which includes utilities.

<sup>d</sup> Index of gross values for individual commodities and branches aggregated by 1955 value-added weights. The three sectors covered—materials, machinery, and consumer goods—comprise 44.6 percent, 34.0 percent, and 21.4 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of industrial production of the US Federal Reserve Board.

<sup>e</sup> The projected range of increase for the Seven Year Plan (1959-65) is 8.6 to 9.0 percent (1958=100).

<sup>f</sup> Estimates of this Office computed by applying value-added weights to figures for commodity production.

<sup>g</sup> Indexes for Czechoslovakia through 1957, for Poland through 1956, and for East Germany in 1955 are from private studies; indexes for Bulgaria in 1955 and 1957 and Poland in 1957-59 reflect official estimates of the growth of net production; and other indexes for these four countries are estimates of this Office, as are all indexes for Rumania and the European Satellites as a group (excluding Albania). Data for Hungary are official estimates of net production that are accepted by this Office.

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Table 2  
Official Indexes of Gross Industrial Production <sup>a</sup> for the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Selected Years, 1950-60, and 1965 Plan									1950=100
Country	1950	1955	1956	1957	1958	1959	1960	1965 Plan	Average Annual Increase <sup>b</sup> (Percent) 1951-60
Sino-Soviet Bloc									
USSR.....	100*	185*	205*	226*	249*	276* <sup>c</sup>	304* <sup>c</sup>	448*	11.8*
Communist China <sup>d</sup> .....	100*	287*	368*	410*	681*	949*	1,222* <sup>e</sup>	N.A.	28.4*
North Korea.....	100*	164*	208*	302*	413*	632*	733*	1,405*	22.0*
North Vietnam.....	N.A. <sup>f</sup>	100*	198*	273*	319*	414*	495*	1,226*	37.7* <sup>g</sup>
European Satellites									
Albania.....	100*	274*	299*	375*	448*	536*	596*	906*	19.5*
Bulgaria.....	100*	190*	218*	253*	287*	345*	392*	N.A.	14.6*
Czechoslovakia.....	100*	170*	186*	205*	228*	253*	283*	441*	11.0*
East Germany.....	100*	190*	202*	217*	241*	271*	293*	453*	11.3*
Hungary.....	100*	185*	167*	195*	216*	237*	267*	362* <sup>h</sup>	10.3*
Poland.....	100*	212*	231*	254*	278*	304*	337*	512*	12.9*
Rumania.....	100*	202*	225*	243*	267*	293*	343*	615*	13.1*

<sup>a</sup> These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes manufacturing, mining, and public utilities. The Communist definition of industry also includes other activities (varying from country to country) that are not included in Western definitions of industry. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Unless otherwise indicated, the base year for the computation of the rate of growth is 1950.

<sup>c</sup> Index numbers for 1959 and 1960 are based on plan fulfillment data.

<sup>d</sup> This "official" index of industrial production was calculated by chaining together annual Chinese Communist claims for the increase in the gross value of industrial production. These annual claims are overstated in varying degrees and are not based on a stable and consistent accounting and price system.

<sup>e</sup> Plan data.

<sup>f</sup> The base year for this index and for the computation of the average annual increase is 1955, the first postwar year. These official index numbers are not indicative of the true rate of industrial growth, because they reflect in large measure the increases in output resulting from postwar reconstruction rather than from new industrial development.

<sup>g</sup> Midpoint of the range of the industrial production index for 1965 of 356 to 367.

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Table 3

Estimated Gross Investment in Industry in the US and the USSR  
1961

Billion 1955 US \$	
Country	Amount
US <sup>a</sup> . . . . .	19.8
USSR <sup>b</sup> . . . . .	33.5 to 40.7

<sup>a</sup> Anticipated US investments for 1961 in new plant and equipment for manufacturing, mining, public utilities, oil and gas drilling, and other industrial investment not classified in the survey of capital expenditures are estimated as follows (the Department of Commerce and the Securities and Exchange Commission estimate of March 1961):

Billion Current US \$	
Manufacturing . . . . .	14.1
Mining . . . . .	1.0
Public utilities . . . . .	6.2
Oil and gas drilling and other industry not included above . .	2.0
Total . . . . .	23.3

The deflator of 117.6 used to derive the value in 1955 US \$ was based on the 1960 deflator for new construction and producers durables, as given in the *Economic Report of the President*, January 1961, p. 132. Based on March 1961 estimates, estimated total expenditures on new plant and equipment by US business will amount to current US \$36.6 billion. These expenditures include, in addition to the above items, expenditures on railroads, other transportation, trade, services, finance, and construction.

<sup>b</sup> Industry in the USSR covers manufacturing, mining, and electric power. Urban distribution of electric power is not included. It is estimated that Soviet industrial investment (excluding investment in the construction industry) in 1961 will approximate 59 percent of total planned capital investment, or 171 billion 1955 rubles. Using a conversion rate, based on the Soviet product mix, of 4.2 old rubles to US \$1 this amount is equal to US \$40.7 billion. At the conversion rate, based on the US product mix, of 5.1 old rubles to US \$1, this amount is equal to US \$33.5 billion.

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## AGGREGATIVE DATA

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Table 4  
Estimated Gross National Product at Market Prices <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Billion 1955 US \$						Average Annual Increase <sup>b</sup> (Percent) 1951-60
	1950	1955	1958	1959	1960	1965 Plan	
NATO.....	<b>538*</b>	<b>674*</b>	<b>709*</b>	<b>751*</b>	<b>781*</b>		3.8*
US.....	322.3*	397.5*	405.4*	433.6*	444.9*		3.3*
Canada.....	21.7*	27.1*	29.8*	30.7*	31.3*		3.7*
European NATO <sup>c</sup> .....	<b>194*</b>	<b>249*</b>	<b>274*</b>	<b>287*</b>	<b>305*</b>		4.6*
Of which:							
Belgium.....	9.2*	10.8*	11.3*	11.6*	11.9*		2.6*
Denmark.....	4.6*	5.1*	5.7*	6.0*	6.2*		3.0*
France.....	39.0*	48.6*	54.7*	55.9*	59.3*		4.3*
Italy.....	23.6*	31.5*	36.4*	38.8*	41.4*		5.8*
Netherlands.....	8.7*	11.4*	12.3*	13.0*	14.1*		4.9*
Norway.....	3.6*	4.3*	4.6*	4.9*	5.2*		3.7*
UK.....	58.0*	66.3*	69.3*	71.2*	74.5*		2.5*
West Germany.....	37.4*	57.6*	67.0*	71.5*	77.2*		7.5*
Sino-Soviet Bloc.....	<b>187</b>	<b>265</b>	<b>331</b>	<b>349</b>	N.A.		
USSR.....	111	155	192	199	N.A.	281 <sup>d</sup>	6.7 <sup>e</sup>
Communist China.....	31	48	67	74	79	110 <sup>d</sup>	9.8
North Korea.....	0.77 <sup>f</sup>	0.82	1.30	1.50	1.65	2.50 <sup>d</sup>	7.2 <sup>g</sup>
North Vietnam.....	N.A.	0.8	1.3	1.4	1.5	2.1 <sup>d</sup>	13.4 <sup>h</sup>
European Satellites <sup>i</sup> .....	<b>44.5</b>	<b>60.1</b>	<b>69.3</b>	<b>73.6</b>	<b>76.9</b>		5.6
Bulgaria.....	2.3	3.1	3.8	4.1	4.3		6.6
Czechoslovakia.....	9.6	11.6	13.8	14.3	15.1	20.5 <sup>j</sup>	4.7
East Germany.....	11.0	15.5	17.8	18.9	19.7	26.7 <sup>j</sup>	6.0
Hungary.....	4.1	5.6	6.2	6.6	6.9	8.7 <sup>j</sup>	5.4
Poland.....	12.8	16.5	20.0	20.8	21.7	29.0 <sup>j</sup>	5.4
Rumania.....	4.7	7.8	7.7	8.9	9.2	14.7 <sup>j</sup>	7.0

<sup>a</sup> A measure of the physical volume of goods and services produced by the economy, expressed in terms of market value at constant prices. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Unless otherwise indicated, the base year for the computation of the rate of growth is 1950.

<sup>c</sup> The dollar values of gross national product (GNP) for the European NATO countries (total NATO excluding the US and Canada) in 1955 are estimates of Milton Gilbert and Associates, using the geometric mean of European and US weights. The aggregate GNP for the European NATO countries in 1955 was estimated by the US Department of State using the above source and rough calculations for countries not listed. Estimates for other years were obtained by multiplying the 1955 data in dollars by indexes of GNP at constant domestic prices for the respective countries.

<sup>d</sup> Estimated GNP for 1965.

<sup>e</sup> Rate of growth for 1951-59.

<sup>f</sup> Data for 1949.

<sup>g</sup> The base year is 1949.

<sup>h</sup> The base year is 1955.

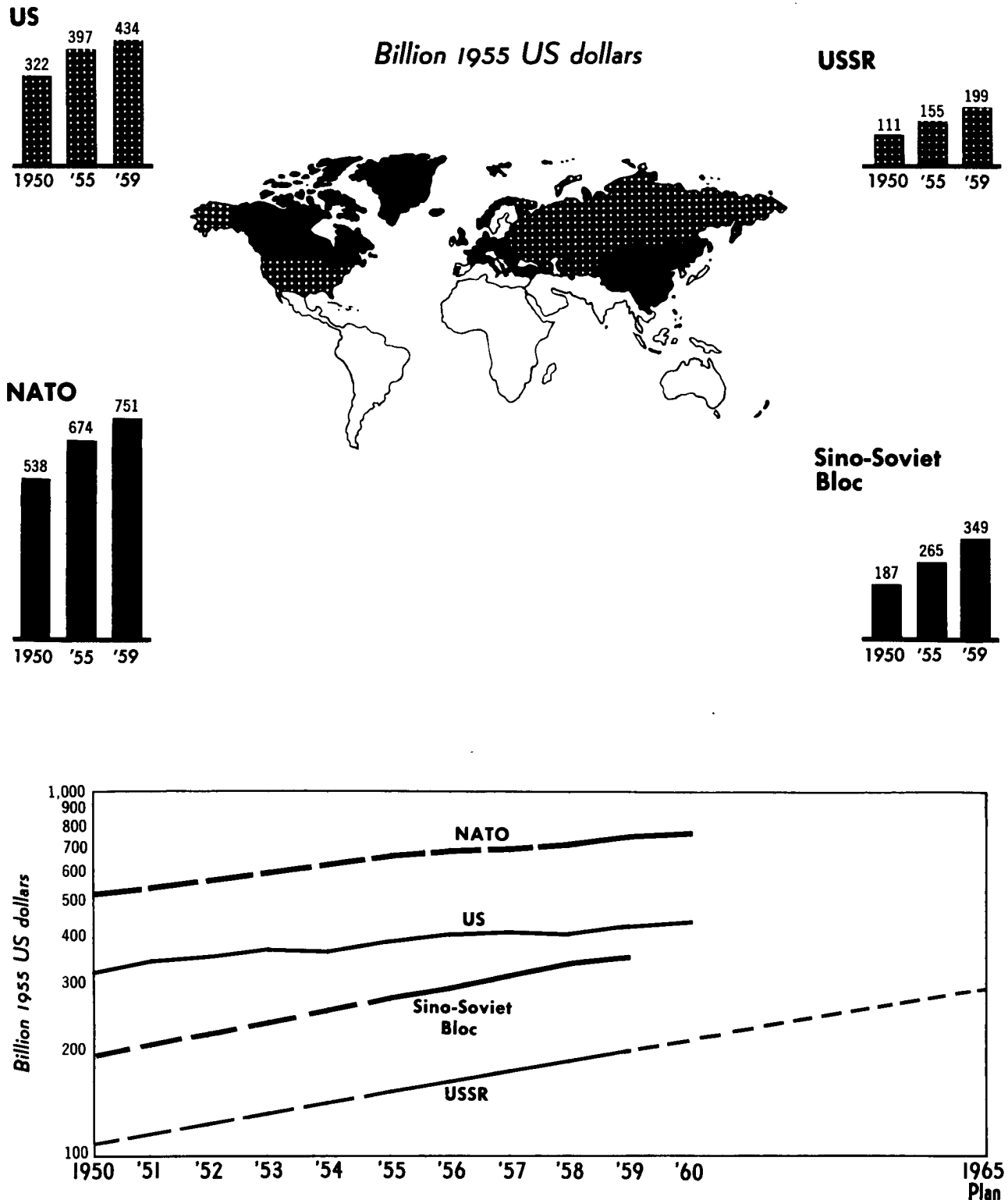
<sup>i</sup> The values for the European Satellites have been calculated in such a manner as to make them reasonably comparable with the values shown for the European NATO countries. These estimates for the Satellites, therefore, should not be compared with dollar values for Western countries that are obtained by applying the official rates of exchange.

<sup>j</sup> Based on the planned average annual rate of growth of national income. This rate has been reduced by one percentage point as a rough allowance for the exclusion of governmental and personal services under the Communist concept of national income. Such services are expected to grow much less rapidly than the goods and services covered by the plan.

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Figure 1

# COMPARISON OF GROSS NATIONAL PRODUCT AT MARKET PRICES IN SELECTED AREAS, SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 5  
Distributive Shares of Gross National Product  
by End-Use (Adjusted Value Added) <sup>a</sup>  
in the USSR  
1959

Category	Percent of Total
Consumption.....	61
Investment.....	27
Defense.....	10
Administration.....	1
Total.....	<b>100 <sup>b</sup></b>

<sup>a</sup> Percentages are based on ruble values expressed in 1957 prices. Estimated GNP (adjusted value added) for 1959 in 1957 rubles was 1,447 billion rubles. Adjusted value added is obtained by making certain adjustments in the GNP derived by use of official factor prices and quantities. These adjustments are made in order to obtain a measure of GNP more comparable to that for the US.

<sup>b</sup> Because of rounding, components do not add to the total shown.

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Table 6  
State Budget of the USSR <sup>a</sup>  
1958-60 and 1961 Plan

Category	1958		1959		1960		1961 Plan
	Plan	Actual	Plan	Actual	Plan	Actual	
Revenues							
Turnover tax.....	30.15*	30.45*	33.30*	31.07*	31.71*	31.3*	32.5*
Profit deductions.....	13.03*	13.54*	15.49*	15.96*	20.30*	19.0* <sup>c</sup>	20.5*
Taxes on the population.....	4.98*	5.19*	5.60*	5.52*	5.72*	(5.72) <sup>d</sup>	5.5*
State loans.....	1.76*	1.06*	(1.10)	1.49*	(1.20)	(1.38)	(1.4)
Social insurance receipts.....	3.33*	3.31*	(3.35)	3.63*	(3.40)	(3.6)	(3.8)
MTS—RTS <sup>e</sup> .....	1.19*	0.97*	0.15*	0.18*	N.A.	N.A.	N.A.
Taxes on enterprises and organizations.....	1.56*	1.66*	1.96*	1.90*	2.13*	(2.2)	(2.3)
Other.....	8.29*	11.05*	(11.38)	(14.26)	(12.75)	(12.15)	(13.0)
Total.....	<b>64.29*</b>	<b>67.23*</b>	<b>72.33*</b>	<b>74.01*</b>	<b>77.21*</b>	<b>(75.35)</b>	<b>79.0*</b>
Expenditures							
Financing the national economy..	25.72*	29.03*	30.89*	32.37*	32.78*	31.0*	33.9*
Industry.....	12.90*	N.A.	14.53*	N.A.	15.18*	15.6*	16.1*
Agriculture.....	5.34*	N.A.	3.03*	N.A.	3.23*	3.3*	4.2*
Transport and communications..	(1.84)	N.A.	2.50*	N.A.	2.54*	(2.5)	(2.6)
Other.....	(5.64)	N.A.	10.83*	N.A.	11.83*	(9.6) <sup>f</sup>	(11.0)
Social-cultural measures.....	21.28*	21.42*	23.22*	23.12*	24.74*	24.9*	27.1*
Education.....	8.42*	8.60*	9.44*	9.41*	10.20*	10.3*	11.3*
Health.....	4.04*	4.12*	4.41*	4.47*	4.75*	4.8*	5.2*
Social welfare.....	8.82*	8.70*	9.37*	9.24*	9.79*	9.8*	10.6*
Administration.....	1.19*	1.20*	1.15*	1.12*	1.11*	(1.1)	1.09*
Defense.....	9.63*	9.36*	9.61*	9.37*	9.61*	(9.33)	9.255*
Loan service.....	(0.30)	0.37*	(0.60)	0.69*	(0.60)	(0.60)	(0.6)
Reserve funds of the Council of Ministers.....	1.67*	0*	2.12*	0*	2.76*	0*	2.8*
Undisclosed expenditures.....	(2.98)	2.89*	(3.17)	3.73*	(2.88)	(5.42)	2.755*
Total.....	<b>62.77*</b>	<b>64.27*</b>	<b>70.76*</b>	<b>70.40*</b>	<b>74.48*</b>	<b>(72.35)</b>	<b>77.5*</b>
Budget surplus.....	1.52*	2.96*	1.57*	3.61*	2.73*	(3.00)	1.5*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Expressed in new rubles at one-tenth of the amount in old rubles.

<sup>c</sup> Not comparable with previous years, as a consequence of the apparent elimination in this reported figure of profits on imports.

<sup>d</sup> Data in parentheses are estimates.

<sup>e</sup> Machine tractor stations in 1958, repair tractor stations thereafter.

<sup>f</sup> Not comparable with previous years, as a consequence of the apparent elimination in this reported figure of subsidies paid on exports.

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Table 7  
State Budget of Communist China <sup>a</sup>  
1956-59 and 1960 Plan

Category	Million Current Yuan				
	1956	1957	1958	1959	1960 Plan
Revenues					
Taxes . . . . .	14,090*	15,490*	18,740*	20,470*	24,360*
Income from state enterprises <sup>b</sup> . . . . .	13,426*	14,420*	22,020*	33,360*	45,300*
Domestic and foreign loans . . . . .	724*	700*	790*	0*	0*
Other . . . . .	505*	410*	310*	330*	360*
Total . . . . .	<b>28,745*</b>	<b>31,020*</b>	<b>41,860*</b>	<b>54,160*</b>	<b>70,020*</b>
Expenditures					
Economic construction . . . . .	15,915*	14,910*	26,270*	32,170*	42,910*
Social, cultural, and educational . . . . .	4,596*	4,640*	4,350*	5,860*	8,620*
Defense . . . . .	6,116*	5,510*	5,000*	5,800*	5,800*
Administration . . . . .	2,660*	2,270*	2,270*	2,900*	3,170*
Loan service . . . . .	722*	839*	905*	970*	1,200*
Foreign aid . . . . .	404*	454*	275*	350*	500*
Other <sup>c</sup> . . . . .	167*	397*	1,890*	4,720*	7,820*
Total . . . . .	<b>30,580*</b>	<b>29,020*</b>	<b>40,960*</b>	<b>52,770*</b>	<b>70,020*</b>
Budget surplus or deficit . . . . .	-1,835*	2,000*	900*	1,390*	0*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> About 80 percent of the total income is profits from state enterprises. The remainder includes depreciation reserves and other income. From 1958 on, also included is income from joint state-private and cooperative enterprises, formerly paid as income taxes.

<sup>c</sup> Including allocations to the bank for credit funds (after 1957), miscellaneous expenditures, and, in 1960, a general reserve of 1,700 million yuan.

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## ECONOMIC INDICATORS

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Table 8  
Comparison of Selected Economic Indicators for Communist China and India <sup>a</sup>  
Selected Years, 1950-60

Product, Unit of Measure, and Country	1950	1955	1958	1959	1960	Average Annual Rate of Growth <sup>b</sup> (Percent) 1951-60
Gross national product <sup>a</sup> (billion 1955 US \$)						
Communist China.....	31	48	67	74	79	9.8
India.....	26.9*	31.2*	35.0*	35.3*	37.4*	3.4*
Industrial production (1950=100)						
Communist China.....	100	269	522	663	769	22.6
India.....	100*	137*	156*	170*	189*	6.6*
Total population (midyear population in millions)						
Communist China.....	547*	611*	657*	674*	689*	2.3*
India <sup>d</sup> .....	360.7*	396.5*	419.7*	427.7*	435.9*	1.9*
Coal <sup>e</sup> (million metric tons)						
Communist China <sup>f</sup> .....	42.9*	98.3*	270.2*	347.8*	425.0*	25.8*
India.....	32.8*	38.8*	46.1*	47.8*	52.7*	4.9*
Crude steel (million metric tons)						
Communist China.....	0.60*	2.85*	8.00*	13.4*	18.4*	40.8*
India.....	1.46*	1.73*	1.85*	2.47*	3.24*	8.3*
Rice (million metric tons)						
Communist China.....	64.0	78.0*	99.0*	90.0	90.0	3.5
India <sup>g</sup> .....	31.8*	41.0*	46.3*	44.9*	45.8*	3.7*
Motor vehicles <sup>h</sup> (thousand units)						
Communist China.....	0*	0*	16.0	19.2 <sup>i</sup>	23.0 <sup>i</sup>	N.A.
India.....	14.6*	23.1*	26.8*	36.5*	51.7*	13.5*
Wheat (million metric tons)						
Communist China.....	21.0	23.0*	29.0*	28.0	20.0	-0.5
India.....	6.40*	8.76*	7.86*	9.93*	9.89*	4.4*
Wool <sup>j</sup> (thousand metric tons)						
Communist China.....	29.6	45.0	54.2	57.9	N.A.	7.7 <sup>k</sup>
India.....	22.9*	32.7*	33.6*	33.6*	34.1*	4.1*
Sulfuric acid (thousand metric tons)						
Communist China.....	49*	375*	740*	1,050*	1,300	38.8
India.....	104.1*	168.8*	230.2*	296.9*	366.1*	13.4*
Railroad freight traffic (billion metric ton-kilometers)						
Communist China.....	39.4*	98.2*	185.5*	263.4*	320.0	23.3
India.....	47.1 <sup>l</sup>	55.4*	73.8*	78.6*	80.4*	6.1* <sup>m</sup>
Cement (million metric tons)						
Communist China.....	1.41*	4.50*	9.30*	12.3*	14.0	25.8
India.....	2.66*	4.56*	6.17*	6.94*	7.83*	11.4*

See footnotes at end of table.

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ECONOMIC INDICATORS

Table 8 (Continued)

Product, Unit of Measure, and Country	1950	1955	1958	1959	1960	Average Annual Rate of Growth <sup>b</sup> (Percent) 1951-60
Refined copper (thousand metric tons)						
Communist China.....	5.3	15.0	34.0	55.0	90.0	32.7
India.....	6.72*	7.44*	7.97*	7.67*	8.91*	2.9*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements. Data for gross national product for India are unclassified but were not obtained directly from official sources.

<sup>b</sup> Unless otherwise indicated, the base year for the computation of the rate of growth is 1950.

<sup>c</sup> In order to make data for India more comparable with data for Communist China, computations for both series are based on estimates of internal purchasing power. Data for India, if converted to US dollars on the basis of rates of exchange, converted at 4.762 rupees per US \$1, would be (in billion 1955 US \$): 1950, 20.4; 1955, 23.7; 1958, 26.6; 1959, 26.8; and 1960, 28.4.

<sup>d</sup> Data for India are based on the provisionally announced census and exclude Manipur, the Northeastern Frontier Area, Nagaland, and Sikkim.

<sup>e</sup> Data are for anthracite and bituminous coal but exclude brown coal and lignite.

<sup>f</sup> Including a negligible amount of brown coal.

<sup>g</sup> Estimated from planted acreage.

<sup>h</sup> Unless otherwise indicated, including automobiles and commercial vehicles.

<sup>i</sup> Commercial vehicles only.

<sup>j</sup> Grease basis.

<sup>k</sup> Rate of growth for 1951-59.

<sup>l</sup> Data for 1951.

<sup>m</sup> The base year is 1951.

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## ECONOMIC INDICATORS

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Table 9  
Comparison of Production of Selected Consumer Goods for the US and the USSR <sup>a</sup>  
Selected Years, 1950-60

Product and Country	1950	1955	1958	1959	1960
	Production in Thousand Units				
Automobiles					
US <sup>b</sup> .....	6,665.9*	7,920.0*	4,257.8*	5,591.2*	6,674.8*
USSR <sup>c</sup> .....	64.6*	107.8*	122.2*	124.5*	138.8*
Radio receivers					
US.....	14,590*	14,526*	12,507*	16,451*	17,127*
USSR.....	1,072*	3,549*	3,902*	4,035*	4,164*
Refrigerators					
US <sup>d</sup> .....	6,200.0*	4,200.0*	3,116.7*	3,785.0*	3,406.0*
USSR.....	1.2*	151.4*	359.6*	426.1*	529.5*
Television receivers					
US.....	7,464*	7,756*	4,921*	6,349*	5,709*
USSR.....	12*	495*	979*	1,277*	1,726*
Washing machines					
US <sup>d</sup> .....	4,272.0*	4,236.6*	3,672.3*	3,833.4*	3,274.2*
USSR.....	0.3*	87.0*	538.7*	724.0*	953.0*
	Unit Production per Thousand Persons				
Automobiles					
US.....	44*	48*	24*	32*	37*
USSR.....	0.35*	0.55*	0.59*	0.59*	0.65*
Radio receivers					
US.....	96.2*	87.9*	71.8*	92.9*	95.1*
USSR.....	5.9*	18.0*	18.8*	19.2*	19.5*
Refrigerators					
US.....	40.9*	25.4*	17.9*	21.4*	18.9*
USSR.....	0.01*	0.77*	1.74*	2.02*	2.47*
Television receivers					
US.....	49.2*	46.9*	28.3*	35.8*	31.7*
USSR.....	0.07*	2.51*	4.73*	6.07*	8.07*
Washing machines					
US.....	28.2*	25.6*	21.1*	21.6*	18.2*
USSR.....	<i>Nepl.*</i>	0.44*	2.60*	3.44*	4.45*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Factory sales, including parts shipped for assembly abroad.

<sup>c</sup> Including jeeps.

<sup>d</sup> Producers sales.



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ECONOMIC INDICATORS

Table 10  
 Apparent Consumption  
 of Selected Products of Light Industry and of Consumer Durable Goods <sup>a</sup>  
 for the US and the USSR  
 1955 and 1958-59

Product, Unit of Measure, and Country	1955	1958	1959
	Apparent Consumption		
Cotton fabric (million square meters)			
US .....	9,612*	8,478*	9,158*
USSR .....	4,337*	4,203*	4,628*
Wool fabric (million square meters)			
US .....	474.1*	410.7*	471.9*
USSR .....	334*	402*	440*
Leather footwear <sup>b</sup> (million pairs)			
US .....	512.4*	527.8*	569.6*
USSR .....	272*	381*	415*
Refrigerators (thousand units)			
US <sup>c</sup> .....	3,896*	2,809*	3,520*
USSR .....	151*	347*	402
Washing machines (thousand units)			
US <sup>c</sup> .....	4,237*	3,584*	3,730*
USSR .....	87*	539*	724*
Consumption Per Capita <sup>d</sup>			
Cotton fabric (square meters)			
US .....	58*	49*	52*
USSR .....	22*	20*	22*
Wool fabric (square meters)			
US .....	2.9*	2.4*	2.7*
USSR .....	1.7*	1.9*	2.1*
Leather footwear (pairs)			
US .....	3.1*	3.0*	3.2*
USSR .....	1.4*	1.8*	2.0*
Consumption per Thousand Persons <sup>d</sup>			
Refrigerators (units)			
US .....	23.6*	16.1*	19.9*
USSR .....	0.8*	1.7*	1.9*
Washing machines (units)			
US .....	25.6*	20.6*	21.1*
USSR .....	0.4*	2.6*	3.4*

<sup>a</sup> Data are for apparent consumption derived by subtracting exports and adding imports to production. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data refer to the total production of footwear with leather or mainly leather uppers and exclude slippers.

<sup>c</sup> Producers sales.

<sup>d</sup> Based on midyear population data.

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Table 11  
Comparison of Selected Economic Indicators \* for the US and the USSR  
Selected Years, 1950-60, and 1965 Plan

Product, Unit of Measure, and Country	1950	1955	1958	1959	1960	1965 Plan	Average Annual Rate of Growth <sup>b</sup> (Percent)	
							1951-60	1951-65
Gross national product (billion 1955 US \$)								
US.....	322.3*	397.5*	405.4*	433.6*	444.9*		3.3*	
USSR.....	111	155	192	199	N.A.	281 °	6.7 <sup>d</sup>	6.4
Industrial production (1950=100)								
US.....	100*	129*	125*	141*	145*		3.8*	
USSR.....	100	167	213	231	N.A. °		•	
Total population (midyear population in millions)								
US.....	151.7*	165.3*	174.1*	177.1*	180.1*	195.7*	1.7*	1.7*
USSR.....	182.4*	197.0*	207.0*	210.5*	214.0*	231.1*	1.6*	1.6*
Electric power <sup>f</sup> (billion kilowatt-hours)								
US.....	410*	668*	768*	844*	892*	1,160* °	8.1*	7.2*
USSR.....	91.2*	170*	235*	265*	292*	520*	12.3	12.3*
Primary energy (million metric tons of standard fuel equivalents)								
US.....	N.A.*	1,390*	1,380*	1,440*	1,480*		1.3*	
USSR.....	N.A.	435.7	580.2	619.6	677.3		9.2	
Crude petroleum (million metric tons)								
US.....	266.7*	335.7* <sup>h</sup>	330.9* <sup>h</sup>	347.9* <sup>h</sup>	348.0* <sup>h</sup>		2.7*	
USSR.....	37.9*	70.8*	113.2*	129.6*	148.0*	265.0 °	14.6*	13.8
Crude steel (million metric tons)								
US.....	87.85*	106.17*	77.34*	84.77*	90.07*		0.2*	
USSR.....	27.33*	45.27*	54.92*	59.95*	65.30*	95.0*	9.1*	8.7*
Refined copper (thousand metric tons)								
US.....	1,276*	1,436*	1,450*	1,223*	1,642*		2.6*	
USSR.....	247	377	406	416	427	772 °	5.6	7.9

See footnotes at end of table.

ECONOMIC INDICATORS

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Table 11 (Continued)

Product, Unit of Measure, and Country	1950	1955	1958	1959	1960	1965 Plan	Average Annual Rate of Growth <sup>b</sup> (Percent)	
							1951-60	1951-65
Total grain (million metric tons)								
US.....	141*	148*	186*	182*	193*		3.2*	
USSR.....	81*	107*	130	100	100	172* <sup>i</sup>	2.1	5.1*
Meat <sup>j</sup> (million metric tons)								
US.....	10.0*	12.2*	11.7*	12.5*	12.2*		2.0*	
USSR.....	3.3	4.3	5.2	6.1	5.9	11.0	6.0	8.4
Wool <sup>k</sup> (thousand metric tons)								
US.....	112*	138*	133*	143*	145*		2.6*	
USSR.....	180*	256*	322*	355*	360*	548*	7.2*	7.7*
Sulfuric acid (million metric tons)								
US.....	11.8*	14.7*	14.5*	16.0*	16.2*		3.2*	
USSR.....	2.1*	3.8*	4.8*	5.1*	5.4*	11.0 <sup>c</sup>	9.9*	11.7
Radio and TV receivers (million units)								
US.....	22.05*	22.28*	17.43*	22.80*	22.84*		0.4*	
USSR.....	1.08*	4.04*	4.88*	5.31*	5.89*	9.30*	18.5*	15.4*
Motor vehicles <sup>l</sup> (thousand units)								
US.....	8,003*	9,169*	5,135*	6,729*	7,869*		-0.2*	
USSR.....	363*	445*	511*	495*	524*	856*	3.7*	5.9*
Total inland transport <sup>m</sup> (billion metric ton-kilometers)								
US.....	2,010*	2,400*	2,300*	2,430*	2,580*		2.5*	
USSR.....	693	1,130	1,550	1,710	1,820		10.1	

See footnotes at end of table.

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ECONOMIC INDICATORS

Table 11 (Continued)

Product, Unit of Measure, and Country	1950	1955	1958	1959	1960	1965 Plan	Average Annual Rate of Growth <sup>b</sup> (Percent)	
							1951-60	1951-65
Cement (million metric tons)								
US.....	39.1*	52.8*	54.7*	59.6*	56.8*		3.8*	
USSR.....	10.2*	22.5*	33.3*	38.8*	45.5*	84.6*	16.1*	15.1*

<sup>a</sup> For detailed information on these items, see the pertinent tables. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements. Except for population, all data refer to production.

<sup>b</sup> Unless otherwise indicated, the base year for the computation of the rate of growth is 1950.

<sup>c</sup> Estimated data for 1965.

<sup>d</sup> Rate of growth for 1951-59.

<sup>e</sup> The projected range of increase for the Seven Year Plan (1959-65) is 8.6 to 9.0 percent (1958=100).

<sup>f</sup> Gross production.

<sup>g</sup> Estimated production for 1965.

<sup>h</sup> Including production for Alaska.

<sup>i</sup> Midpoint of the range of planned production for 1965 of 164 million to 180 million metric tons.

<sup>j</sup> Carcass weight, bone-in basis.

<sup>k</sup> Grease basis.

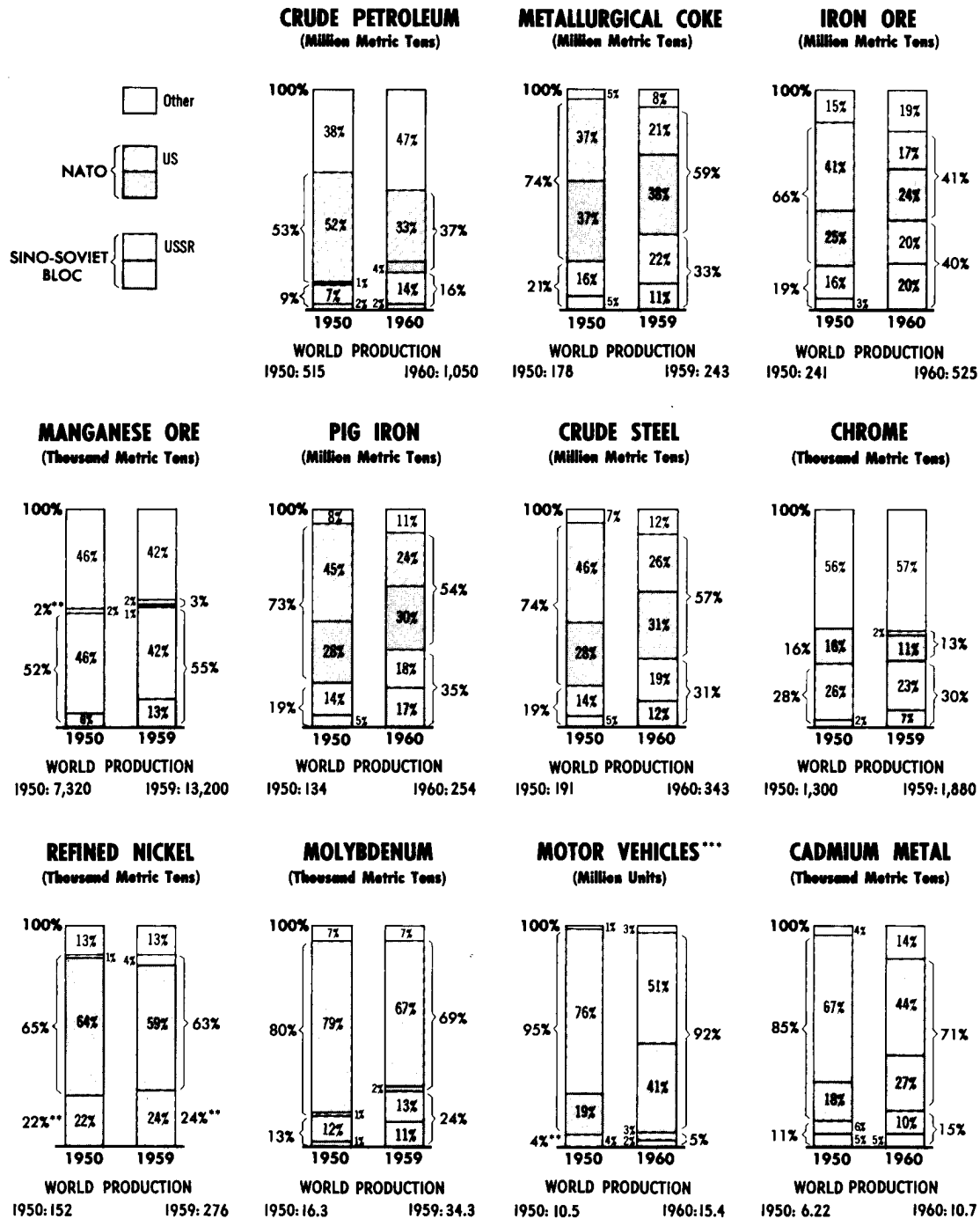
<sup>l</sup> Including automobiles, light and heavy trucks, wheeled tractors for road haulage, special vehicles, buses, and, for the USSR, jeeps. Data for the US are factory sales, including parts shipped for assembly abroad.

<sup>m</sup> Excluding airfreight transport.

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Figure 2A

## DISTRIBUTION OF WORLD PRODUCTION OF SELECTED COMMODITIES 1950 AND 1960\*



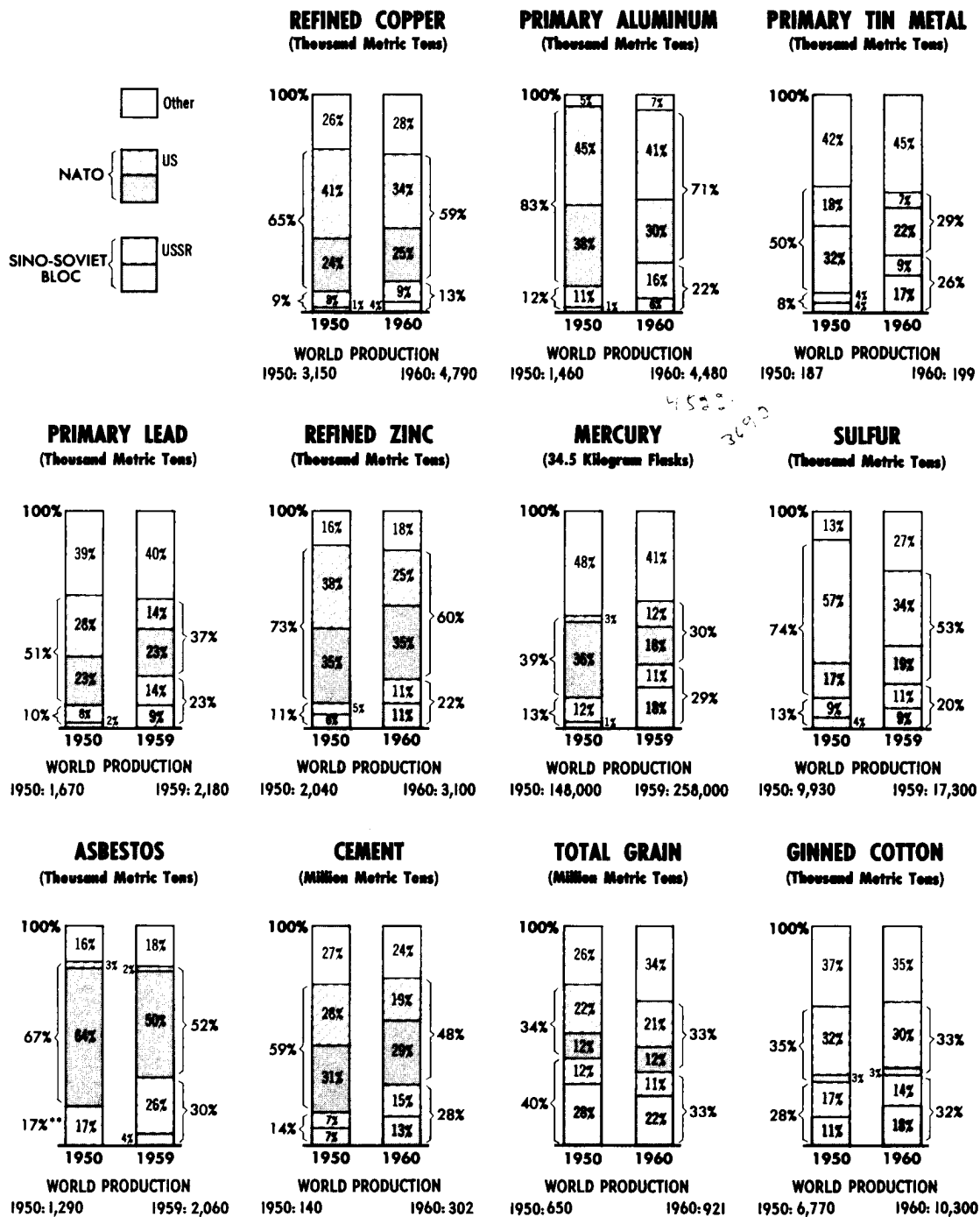
35065 A 5-61

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Figure 2B

## DISTRIBUTION OF WORLD PRODUCTION OF SELECTED COMMODITIES 1950 AND 1960\*



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Table 12  
Estimated Population \*  
Selected Years, 1938-75

Midyear Population in Millions

Country	Prewar Boundaries		Present Boundaries							
	1938	1938	1950	1955	1958	1959	1960	1965	1970	1975
NATO.....	<b>373*</b>	<b>372*</b>	<b>418*</b>	<b>445*</b>	<b>463*</b>	<b>469*</b>	<b>475*</b>	<b>504*</b>	<b>536*</b>	<b>571*</b>
US.....	130.0*	130.0*	151.7*	165.3*	174.1*	177.1*	180.1*	195.7*	213.8*	235.2*
Other NATO Countries.....	<b>243.0*</b>	<b>242.4*</b>	<b>265.8*</b>	<b>279.4*</b>	<b>288.5*</b>	<b>292.0*</b>	<b>294.9*</b>	<b>308.4*</b>	<b>321.7*</b>	<b>336.0*</b>
Belgium.....	8.4*	8.4*	8.6*	8.9*	9.1*	9.1*	9.1*	9.4*	9.6*	9.9*
Canada.....	11.4*	11.4*	13.7*	15.7*	17.1*	17.5*	17.8*	19.6*	21.1*	22.6*
Denmark.....	3.8*	3.8*	4.3*	4.4*	4.5*	4.5*	4.6*	4.7*	4.9*	5.0*
France.....	41.9*	41.9*	41.7*	43.3*	44.6*	45.1*	45.5*	47.1*	48.7*	50.6*
West Germany.....	39.8*	39.8*	47.8*	50.2*	52.1*	52.8*	53.4*	55.3*	56.8*	57.8*
<i>West Berlin</i> .....	2.7*	2.7*	2.1*	2.2*	2.2*	2.2*	2.2*	2.2*	2.2*	2.2*
Greece.....	7.2*	7.2*	7.6*	8.0*	8.2*	8.3*	8.3*	8.8*	9.2*	9.7*
Iceland.....	0.1*	0.1*	0.1*	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*
Italy.....	43.6*	43.0*	46.6*	48.1*	48.7*	49.1*	49.4*	51.0*	52.6*	54.3*
Luxembourg.....	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.4*
Netherlands.....	8.7*	8.7*	10.1*	10.8*	11.2*	11.3*	11.5*	12.0*	12.6*	13.2*
Norway.....	2.9*	2.9*	3.3*	3.4*	3.5*	3.6*	3.6*	3.7*	3.9*	4.1*
Portugal.....	7.5*	7.5*	8.4*	8.8*	9.0*	9.1*	9.1*	9.4*	9.6*	9.8*
Turkey.....	17.2*	17.2*	20.8*	23.9*	25.9*	26.7*	27.5*	31.2*	35.5*	40.6*
UK.....	47.5*	47.5*	50.4*	51.2*	51.9*	52.2*	52.4*	53.5*	54.5*	55.6*
Sino-Soviet Bloc.....	<b>783*</b>	<b>790*</b>	<b>843*</b>	<b>926*</b>	<b>986*</b>	<b>1,008*</b>	<b>1,028*</b>	<b>1,125*</b>	<b>1,228*</b>	<b>1,340*</b>
USSR.....	168.5*	191.7*	182.4*	197.0*	207.0*	210.5*	214.0*	231.1*	247.2*	263.4*
Asian Countries.....	<b>502*</b>	<b>502*</b>	<b>571*</b>	<b>635*</b>	<b>682*</b>	<b>700*</b>	<b>716*</b>	<b>791*</b>	<b>875*</b>	<b>966*</b>
Communist China.....	480*	480*	547*	611*	657*	674*	689*	761*	840*	927*
North Korea.....	8.9*	8.9*	9.1*	8.2*	9.1*	9.4*	9.7*	11.3*	12.9*	14.8*
North Vietnam.....	12.8*	12.8*	14.4*	14.7*	15.3*	15.6*	16.0*	18.1*	20.5*	23.1*
Mongolia.....	0.8*	0.8*	0.8*	0.9*	0.9*	0.9*	0.9*	1.0*	1.2*	1.3*
European Satellites.....	<b>112.3*</b>	<b>95.5*</b>	<b>89.7*</b>	<b>94.3*</b>	<b>96.9*</b>	<b>97.8*</b>	<b>98.6*</b>	<b>102.1*</b>	<b>106.3*</b>	<b>110.9*</b>
Albania.....	1.0*	1.0*	1.2*	1.4*	1.5*	1.6*	1.6*	1.8*	2.1*	2.4*
Bulgaria.....	6.2*	6.7*	7.3*	7.5*	7.7*	7.8*	7.9*	8.2*	8.5*	8.9*
Czechoslovakia.....	15.3*	14.5*	12.4*	13.1*	13.5*	13.6*	13.6*	14.0*	14.4*	14.7*
East Germany.....	26.1*	16.6*	18.4*	17.9*	17.4*	17.3*	17.3*	16.9*	16.7*	16.7*
Hungary.....	9.2*	9.2*	9.3*	9.8*	9.9*	10.0*	10.0*	10.2*	10.5*	10.7*
Poland.....	34.7*	31.9*	24.8*	27.3*	28.8*	29.2*	29.7*	31.6*	33.8*	36.3*
Rumania.....	19.8*	15.6*	16.3*	17.3*	18.1*	18.3*	18.5*	19.4*	20.3*	21.2*

\* All data in this table followed by an asterisk are unclassified but are not necessarily official data of the respective countries.

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Table 13  
Labor Force in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965

Million Persons						
Country	1950	1955	1958	1959	1960	1965
US.....	64.7*	68.9*	71.3*	71.9*	73.1* <sup>b</sup>	
Sino-Soviet Bloc.....	<b>400*</b>	<b>435*</b>	<b>460*</b>	<b>485*</b>	<b>492*</b>	<b>532*</b>
USSR <sup>c</sup> .....	95.7*	101*	106*	108*	109*	115*
Communist China <sup>d</sup> .....	247*	274*	292*	315*	321*	351*
North Korea <sup>d</sup> .....	3.90*	3.30*	3.70*	3.80*	3.90*	4.40*
North Vietnam <sup>d</sup> .....	7.30*	7.40*	7.80*	7.90*	8.10*	8.80*
European Satellites <sup>e</sup> .....	<b>46.1*</b>	<b>48.9*</b>	<b>49.7*</b>	<b>50.0*</b>	<b>50.1*</b>	<b>51.8*</b>
Albania.....	0.65*	0.74*	0.79*	0.81*	0.84*	0.94*
Bulgaria.....	4.02*	4.09*	4.20*	4.24*	4.27*	4.47*
Czechoslovakia.....	6.01*	6.45*	6.64*	6.66*	6.69*	6.88*
East Germany.....	8.48* <sup>f</sup>	8.80*	8.64*	8.57*	8.48* <sup>g</sup>	7.98* <sup>g</sup>
Hungary.....	4.34*	4.58*	4.63*	4.67*	4.69*	4.87*
Poland.....	12.8*	13.9*	14.2*	14.2*	14.3*	15.3*
Rumania.....	9.74*	10.3*	10.7*	10.8*	10.8*	11.4*

<sup>a</sup> Data for the US include unemployed persons and the armed forces and refer to annual averages of monthly data. All data in this table followed by an asterisk are unclassified but are not necessarily official data of the respective countries.

<sup>b</sup> Including data for Alaska and Hawaii.

<sup>c</sup> Data refer to the average annual employment in state enterprises and the armed forces and the total number of participants on collective farms but exclude militarized security forces.

<sup>d</sup> Excluding the armed forces. Data are as of midyear.

<sup>e</sup> Data include the armed forces and unless otherwise indicated are as of midyear.

<sup>f</sup> As of 31 August.

<sup>g</sup> Assuming declining migration.



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Table 14  
Agricultural Employment in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965

Country	Million Persons					
	1950	1955	1958	1959	1960	1965
US.....	7.51*	6.73*	5.84*	5.84*	5.72* <sup>b</sup>	
Sino-Soviet Bloc.....	<b>301*</b>	<b>318*</b>	<b>332*</b>	<b>343*</b>	<b>345*</b>	<b>353*</b>
USSR <sup>c</sup> .....	50.8*	50.5*	51.7*	51.4*	51.0*	49.4*
Communist China <sup>d</sup> .....	217*	235*	248*	260*	262*	272*
North Korea <sup>d</sup> .....	2.80*	2.20*	2.20*	2.20*	2.20*	2.10*
North Vietnam <sup>d</sup> .....	6.20*	6.30*	6.60*	6.70*	6.90*	7.50*
European Satellites <sup>e</sup> .....	<b>24.0*</b>	<b>24.0*</b>	<b>23.6</b>	<b>23.2*</b>	<b>23.0*</b>	<b>22.2*</b>
Albania.....	0.54*	0.57*	0.59*	0.60*	0.61*	0.66*
Bulgaria.....	2.93*	2.69*	2.63*	2.60*	2.57*	2.48*
Czechoslovakia.....	2.13*	2.05*	1.90*	1.85*	1.81*	1.41*
East Germany.....	2.07* <sup>f</sup>	1.74*	1.59*	1.52*	1.48* <sup>κ</sup>	1.26* <sup>κ</sup>
Hungary.....	2.09*	1.97*	2.00*	1.98*	1.93*	1.76*
Poland.....	6.94*	7.72*	7.41*	7.27*	7.21*	7.19*
Rumania.....	7.26*	7.21*	7.43*	7.42*	7.42*	7.40*

<sup>a</sup> Data for the US refer to annual averages of monthly data and exclude the armed forces. All data in this table followed by an asterisk are unclassified but are not necessarily official data of the respective countries.

<sup>b</sup> Including data for Alaska and Hawaii.

<sup>c</sup> Data refer to the average annual number of participants on collective farms and exclude the armed forces.

<sup>d</sup> Excluding the armed forces. Data are as of midyear.

<sup>e</sup> Data exclude the armed forces and unless otherwise indicated are as of midyear.

<sup>f</sup> As of 31 August.

<sup>κ</sup> Assuming declining migration.

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## POPULATION

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Table 15  
Nonagricultural Employment in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965

Million Persons						
Country	1950	1955	1958	1959	1960	1965
US.....	52.4*	56.5*	58.1*	59.7*	61.0* <sup>b</sup>	
Sino-Soviet Bloc.....	<b>99.4*</b>	<b>117*</b>	<b>128*</b>	<b>141*</b>	<b>147*</b>	<b>178*</b>
USSR <sup>c</sup> .....	44.9*	50.9*	54.5*	56.4*	57.9*	65.9*
Communist China <sup>d</sup> .....	30.0*	39.0*	44.0*	55.0*	59.0*	79.0*
North Korea <sup>d</sup> .....	1.10*	1.10*	1.50*	1.60*	1.70*	2.30*
North Vietnam <sup>d</sup> .....	1.10*	1.10*	1.20*	1.20*	1.20*	1.30*
European Satellites <sup>e</sup> .....	<b>22.1*</b>	<b>24.9*</b>	<b>26.2*</b>	<b>26.7*</b>	<b>27.1*</b>	<b>29.7*</b>
Albania.....	0.11*	0.17*	0.21*	0.22*	0.23*	0.29*
Bulgaria.....	1.10*	1.40*	1.58*	1.64*	1.70*	1.99*
Czechoslovakia.....	3.88*	4.41*	4.74*	4.81*	4.88*	5.47*
East Germany.....	6.40* <sup>f</sup>	7.06*	7.05*	7.05*	7.00* <sup>g</sup>	6.72* <sup>g</sup>
Hungary.....	2.25*	2.61*	2.63*	2.70*	2.77*	3.11*
Poland.....	5.88*	6.17*	6.75*	6.97*	7.11*	8.11*
Rumania.....	2.48*	3.12*	3.25*	3.33*	3.39*	3.97*

<sup>a</sup> Data for the US refer to annual averages of monthly data and exclude the armed forces. All data in this table followed by an asterisk are unclassified but are not necessarily official data of the respective countries.

<sup>b</sup> Including data for Alaska and Hawaii.

<sup>c</sup> Data refer to average annual employment in state enterprises and the armed forces but exclude militarized security forces.

<sup>d</sup> Excluding the armed forces. Data are as of midyear.

<sup>e</sup> Data include the armed forces and unless otherwise indicated are as of midyear.

<sup>f</sup> As of 31 August.

<sup>g</sup> Assuming declining migration.

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Table 16  
Strength of Armed Forces <sup>a</sup>  
1960

Country	Thousand Persons		
	Total Armed Forces	Military	Internal Security
NATO.....	<b>5,900</b>		
US.....	2,500*		
Sino-Soviet Bloc <sup>b</sup> .....	<b>8,600</b>	<b>8,000</b>	<b>580</b>
USSR <sup>c</sup> .....	3,900	3,600	250
Communist China <sup>d</sup> .....	2,800	2,800	
North Korea.....	370	350	15
North Vietnam.....	310	270	35
European Satellites.....	<b>1,300</b>	<b>980</b>	<b>280</b>
Albania.....	38	28	10
Bulgaria.....	160	130	35
Czechoslovakia.....	220	180	45
East Germany.....	140	92	50
Hungary.....	140	100	35
Poland.....	270	230	45
Rumania.....	280	220	60

<sup>a</sup> All data have been rounded to two digits. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Unless otherwise indicated, data are as of 1 October 1960.

<sup>c</sup> As of 1 January 1960.

<sup>d</sup> Public security forces (totaling 200,000 men) that are subordinate to the Ministry of National Defense are included in the total for regular military forces.

Table 17  
Military Age Group <sup>a</sup> in the US and the Sino-Soviet Bloc  
1956 and Projections for 1961 and 1966

Country	Million Persons		
	1956	1961	1966
US.....	11.2*	11.3*	12.9*
Sino-Soviet Bloc <sup>b</sup> .....	<b>78.8*</b>	<b>85.4*</b>	<b>88.4*</b>
USSR.....	18.5*	19.9*	16.6*
Communist China.....	51.0*	56.0*	62.0*
North Korea.....	0.5*	0.6*	1.0*
North Vietnam.....	1.3*	1.4*	1.6*
European Satellites.....	<b>7.51*</b>	<b>7.49*</b>	<b>7.17*</b>
Albania.....	0.12*	0.14*	0.15*
Bulgaria.....	0.66*	0.62*	0.59*
Czechoslovakia.....	0.95*	0.88*	0.96*
East Germany.....	1.10*	1.29* <sup>c</sup>	1.22* <sup>c</sup>
Hungary.....	0.76*	0.69*	0.71*
Poland.....	2.33*	2.30*	2.10*
Rumania.....	1.59*	1.57*	1.44*

<sup>a</sup> The male population 20 to 29 years of age as of the beginning of the year. All data in this table followed by an asterisk are unclassified but are not necessarily official data of the respective countries.

<sup>b</sup> Excluding Mongolia.

<sup>c</sup> Assuming declining migration.

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## FUELS AND POWER

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Table 18  
 Production of Primary Energy,<sup>a</sup> in Standard Fuel Equivalents  
 in the US and the Sino-Soviet Bloc  
 Selected Years, 1955-60

Country	Million MT/SF <sup>b</sup>			
	1955	1958	1959	1960
US.....	1,390*	1,380*	1,440*	1,480*
Sino-Soviet Bloc.....	<b>768</b>	<b>1,070</b>	<b>1,180</b>	<b>1,280</b>
USSR.....	435.7	580.2	619.6	677.3
Communist China.....	94.2	219.0	283.0	307.0
North Korea.....	4.3	9.6	11.3	13.4
North Vietnam.....	0.6	1.4	2.0	2.3
European Satellites.....	<b>233</b>	<b>257</b>	<b>264</b>	<b>280</b>
Albania.....	0.4	0.7	0.9	1.2
Bulgaria.....	5.6	7.2	8.6	9.6
Czechoslovakia.....	36.7	48.8	48.5	52.3
East Germany.....	65.6	70.4	70.2	73.5
Hungary.....	13.9	13.5	14.3	15.1
Poland.....	83.8	84.7	88.7	93.6
Rumania.....	27.0	31.6	33.3	34.8

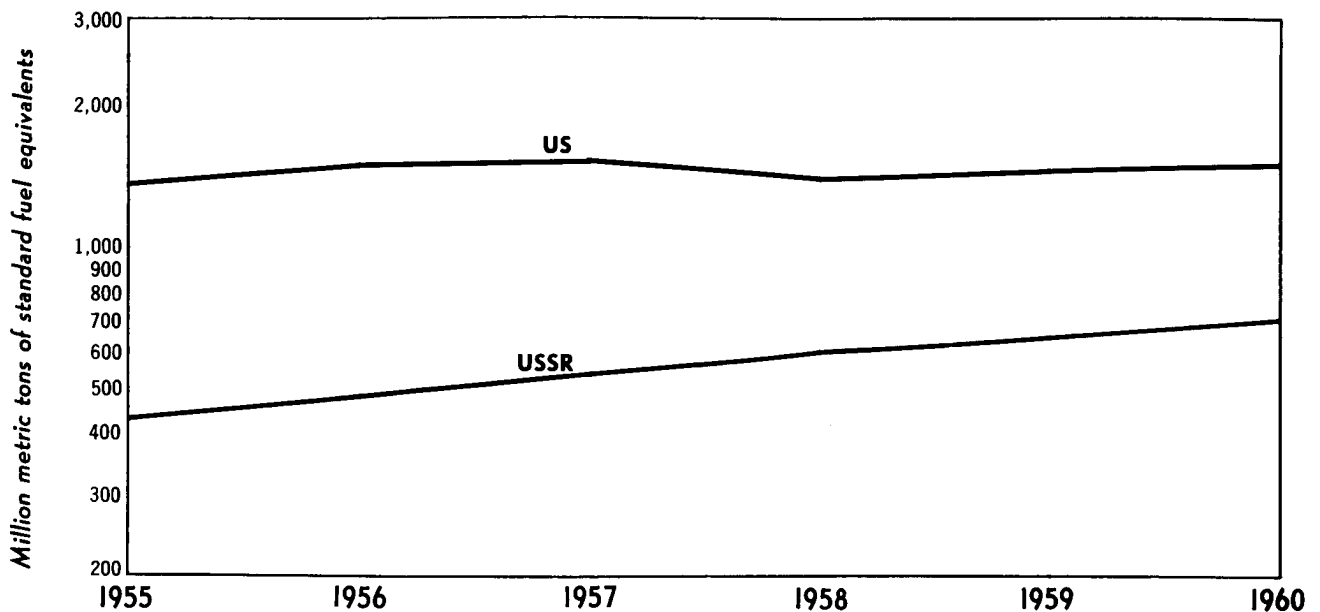
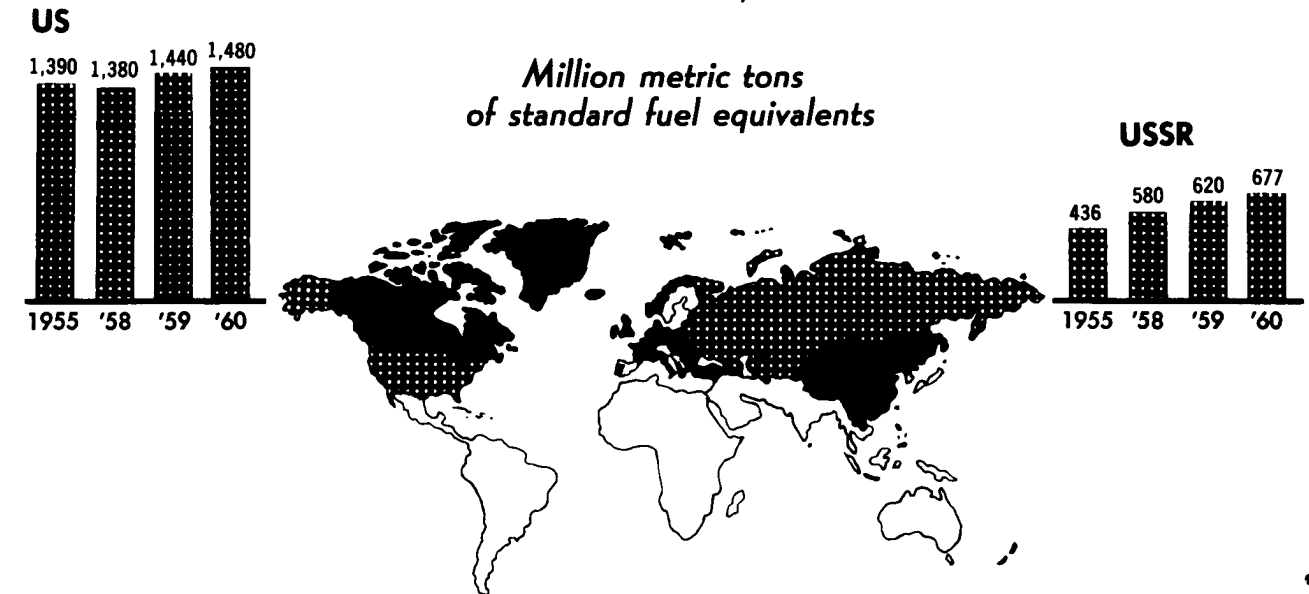
<sup>a</sup> From major sources of supply, including coal, crude oil, natural gas, and hydroelectric power. Excluding energy from minor sources such as peat, shale, and fuelwood. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Million metric tons of standard fuel equivalents. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

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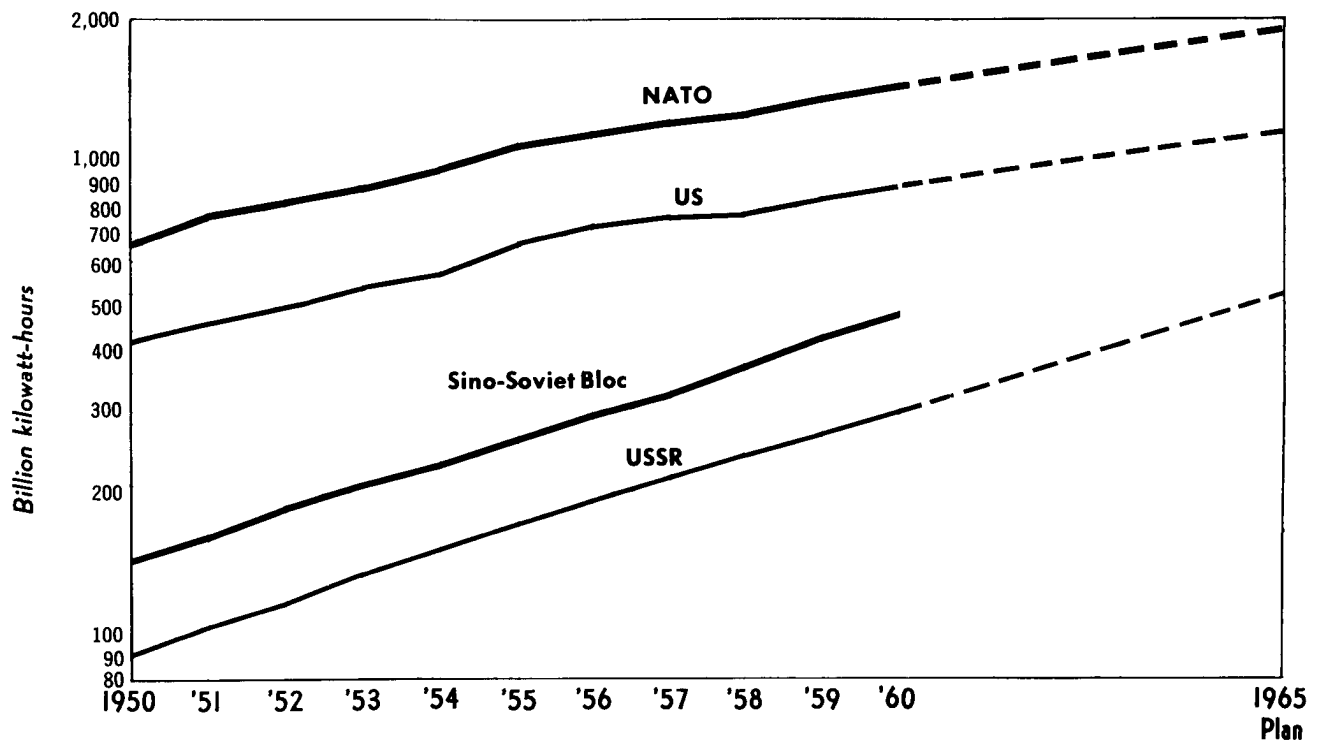
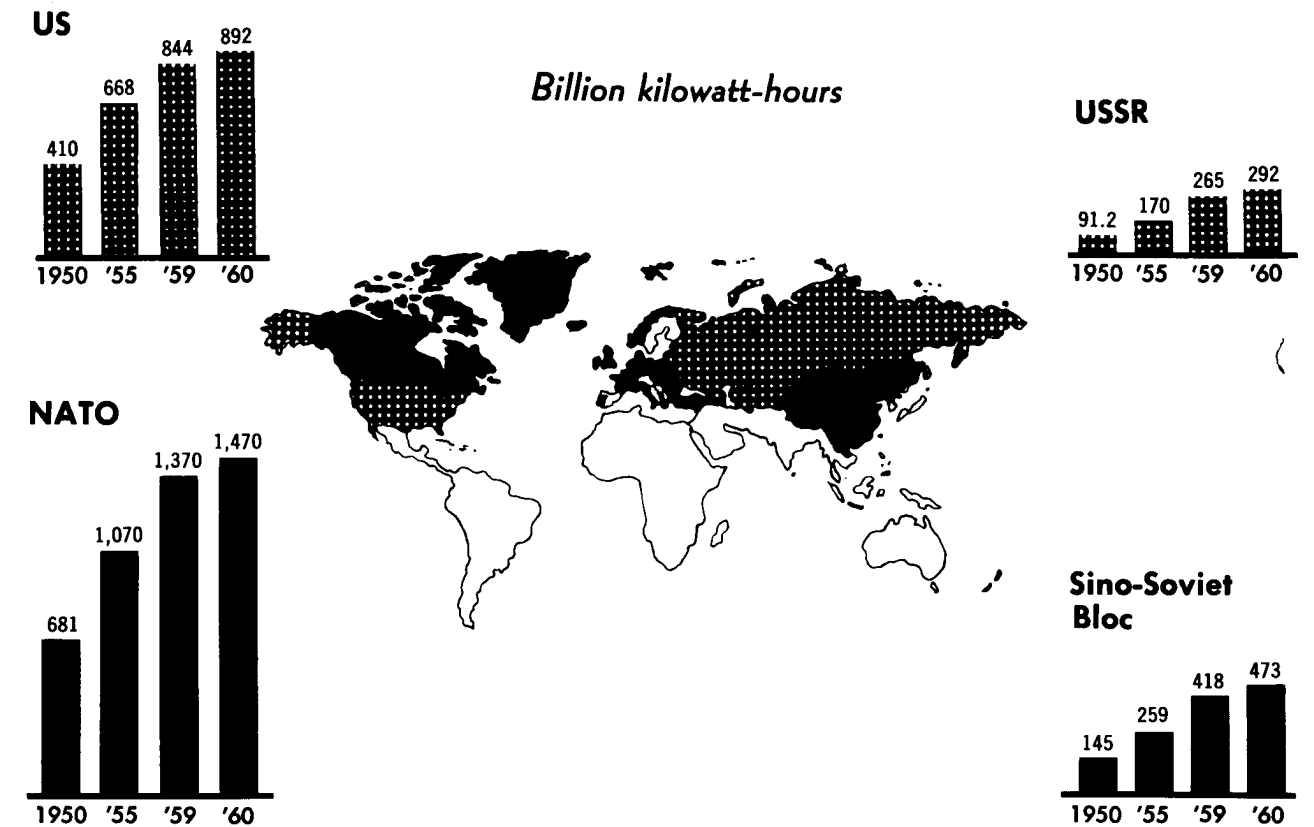
Figure 3

# COMPARISON OF PRODUCTION OF PRIMARY ENERGY IN STANDARD FUEL EQUIVALENTS IN THE US AND THE USSR SELECTED YEARS, 1955-60



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## COMPARISON OF PRODUCTION OF ELECTRIC POWER IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 19  
Production of Electric Power <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Billion Kilowatt-Hours					
	1950	1955	1958	1959	1960	1965 Plan
NATO.....	681* <sup>b</sup>	1,070*	1,260*	1,370*	1,470*	1,920* <sup>c</sup>
Total US <sup>d</sup> .....	410*	668*	768*	844*	892*	1,160* <sup>c</sup>
Of which: Hydro.....	101*	116*	144*	141*	149*	175* <sup>e</sup>
Sino-Soviet Bloc.....	145*	259*	365*	418*	473	
Total USSR.....	91.2*	170*	235*	265*	292*	520*
Of which: Hydro.....	12.7*	23.2*	46.5*	47.6*	58.0	100* <sup>e</sup>
Communist China.....	4.55*	12.3*	27.5*	41.5*	57.0	
North Korea.....	4.58*	3.14*	7.63*	7.81*	9.14*	
North Vietnam.....	0.07 <sup>f</sup>	0.05*	0.16*	0.21*	0.25*	0.71*
European Satellites.....	44.1*	73.4*	94.3*	103*	114*	
Albania.....	0.02*	0.08*	0.15*	0.17*	0.20*	0.61*
Bulgaria.....	0.80*	2.07*	3.02*	3.87*	4.65*	11.8*
Czechoslovakia.....	9.28*	15.0*	19.6*	21.9*	24.4*	39.0*
East Germany.....	19.5*	28.7*	34.9*	37.2*	40.3*	63.3*
Hungary.....	3.00*	5.43*	6.48*	7.09*	7.62*	11.2* <sup>e</sup>
Poland.....	9.42*	17.8*	24.0*	26.4*	29.2*	45.5*
Rumania.....	2.11*	4.34*	6.18*	6.82*	7.63*	18.5*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium.....	14.2*	15.2*	Iceland.....	0.50*	0.51*	Portugal.....	2.98*	3.24*
Canada.....	105*	115*	Italy.....	49.1*	54.3*	Saar.....	2.96*	N.A.* <sup>h</sup>
Denmark.....	4.69*	5.64*	Luxembourg.....	1.40*	1.42*	Turkey.....	2.52*	2.67*
France.....	67.0*	71.9*	Netherlands.....	15.2*	16.4*	UK.....	123*	139*
Greece.....	2.10*	2.24*	Norway.....	28.6*	31.0* <sup>g</sup>	West Germany.....	103*	119*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Austria.....	14.8*	16.0*	Japan.....	99.1*	111*	Switzerland.....	18.2*	20.6*
Finland.....	7.92*	8.74*	Spain.....	17.1*	17.5*	Yugoslavia.....	7.99*	8.90*
India.....	18.2*	19.0*	Sweden.....	32.2*	34.8*			

<sup>a</sup> Data refer to total (gross) production at generating centers (therefore including transmission losses and station use). (See footnote 4, below). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including data for 1951 for the UK.

<sup>c</sup> Estimated production for 1965.

<sup>d</sup> Data are gross estimates based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible portion of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

<sup>e</sup> Estimated plan for 1965.

<sup>f</sup> Including production from all areas of Indochina.

<sup>g</sup> Production of plants of 1,000 kilowatts or more, covering approximately 98 to 99 percent of the total production.

<sup>h</sup> Production for the Saar is included with West Germany.

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Table 20  
Production of Coal, \* in Standard Fuel Equivalents  
Selected Years, 1955-60, and 1965 Plan

Million MT/SF <sup>b</sup>					
Country	1955	1958	1959	1960	1965 Plan
NATO <sup>c</sup> .....	<b>967*</b>	<b>905*</b>	<b>884*</b>	<b>873*</b>	
US.....	460.40*	405.01*	405.87*	406.94*	
Sino-Soviet Bloc.....	<b>607</b>	<b>803</b>	<b>879</b>	<b>930</b>	
USSR.....	310.8*	362.1*	370.0*	384.8*	420.0 <sup>d</sup>
Communist China.....	91.3	213.3	274.5	296.0	
North Korea.....	2.4	5.2	6.7	8.0	
North Vietnam.....	0.6	1.4	2.0	2.3	
European Satellites.....	<b>202</b>	<b>221</b>	<b>226</b>	<b>239</b>	
Albania.....	0.1	0.1	0.1	0.2	0.2
Bulgaria.....	5.1	6.4	7.8	8.7	19.4
Czechoslovakia.....	35.3	45.8	45.1	48.1	59.9
East Germany.....	65.4	70.1	69.9	73.2	89.8
Hungary.....	10.9	11.8	12.3	12.9	14.1
Poland.....	82.7	83.6	87.6	92.2	105.9
Rumania.....	2.7	3.2	3.4	3.5	5.1

<sup>a</sup> Including hard coal (anthracite and bituminous), brown coal, and lignite, in terms of standard fuel equivalents. For actual tonnages of hard or brown coal, see Tables 21 and 22 (pp. 25 and 26, respectively, below). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Million metric tons of standard fuel equivalents. The average calorific values used to convert to standard fuel of 7,000 kilocalories per kilogram are listed below:

Average Calorific Values (Kilocalories per Kilogram)		
Country	Hard Coal	Brown Coal and Lignite
NATO (excluding the US).....	6,700	2,800
US.....	7,260	3,890
North Korea.....	6,000	4,000
North Vietnam.....	6,500	N.A.
Albania.....	N.A.	3,500
Bulgaria.....	5,250	3,475
Czechoslovakia.....	5,090	3,490
East Germany.....	6,000	2,200
Hungary.....	4,700	3,250
Poland.....	6,000	2,000
Rumania.....	4,000	1,940

Footnotes continued on page 23.



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Table 20 footnotes continued.

The average calorific value for the USSR for 1955-60 and that planned for 1965 is 5,026 kilocalories per kilogram (kc/kg). The average calorific values for the USSR for individual years are as follows:

<u>Year</u>	<u>Kc/Kg</u>
1955.....	5,558
1958.....	5,110
1959.....	5,110
1960.....	5,250
1965 Plan.....	5,250

The average calorific values for Communist China for brown coal and lignite are not available. Average calorific values for hard coal for individual years are as follows:

<u>Year</u>	<u>Kc/Kg</u>
1955.....	6,500
1958.....	5,525
1959.....	5,525
1960.....	4,875
1965 Plan.....	4,875

<sup>c</sup> Excluding for all years, Iceland and Luxembourg, and for 1960, Denmark. Production for Belgium, Norway, the Saar, and the UK includes hard coal only. Production for Denmark and Greece includes brown coal and lignite only.

<sup>d</sup> Estimated plan for 1965.

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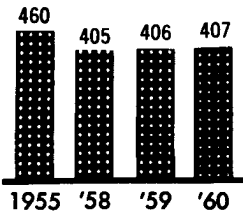
( B L A N K )

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Figure 5

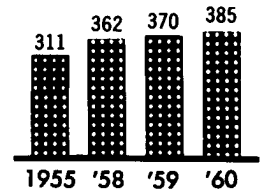
# COMPARISON OF PRODUCTION OF COAL<sup>†</sup> IN STANDARD FUEL EQUIVALENTS, IN SELECTED AREAS SELECTED YEARS, 1955-60, AND 1965 PLAN

**US**

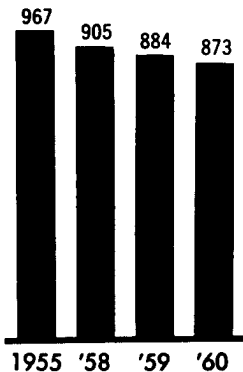


*Million metric tons  
of standard fuel equivalents*

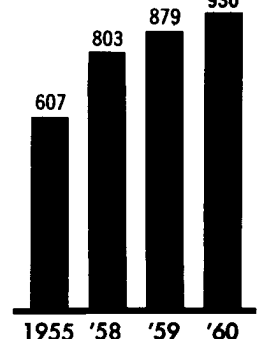
**USSR**



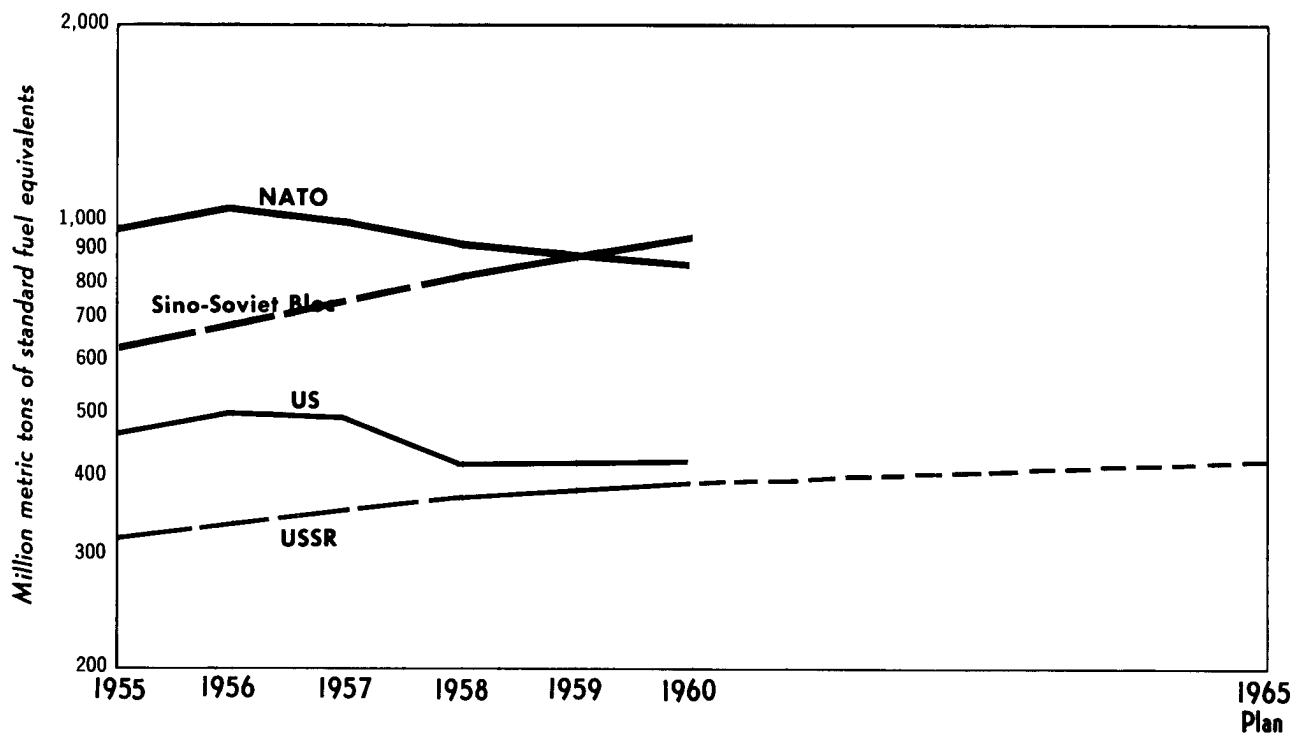
**NATO**



**Sino-Soviet Bloc**



<sup>†</sup> Including hard (anthracite and bituminous) and brown coal and lignite.



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Table 21  
Production of Hard Coal <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>962*</b>	<b>931*</b>	<b>868*</b>	<b>846*</b>	<b>834*</b>	
US	505.3*	442.4*	389.4*	390.0*	391.1*	
Sino-Soviet Bloc	<b>334*</b>	<b>502</b>	<b>758</b>	<b>855</b>	<b>945</b>	
USSR	185.2*	276.6*	353.0*	365.2*	370.0	415.0 <sup>c</sup>
Communist China <sup>d</sup>	42.9*	98.3*	270.2*	347.8*	425.0*	
North Korea	1.9*	1.9*	4.3*	5.7*	6.9	
North Vietnam	0.5* <sup>e</sup>	0.6	1.5	2.1	2.4	
European Satellites	<b>104*</b>	<b>124*</b>	<b>129*</b>	<b>134</b>	<b>141</b>	
Bulgaria	0.2*	0.3*	0.4*	0.5*	0.6	2.0
Czechoslovakia	18.5*	20.6*	23.9*	25.1*	26.4	31.4*
East Germany	2.8*	2.7*	2.9*	2.8*	2.7*	2.8
Hungary	1.4*	2.7*	2.6*	2.7*	2.8*	3.0 <sup>f</sup>
Poland	78.0*	94.5*	95.0*	99.1*	104.4*	114.5*
Rumania	2.7*	3.4*	3.9*	4.1	4.2	6.0 <sup>f</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	22.8*	22.5*	Netherlands	12.0*	12.5*	Turkey	3.9*	3.6*
Canada	7.9*	8.0*	Norway <sup>g</sup>	0.3*	0.4*	UK <sup>i</sup>	209.5*	196.4*
France	57.6*	56.0*	Portugal	0.5*	0.4*	West Germany	125.6*	142.3*
Italy	0.7*	0.7*	Saar	15.3*	N.A. <sup>g</sup> <sup>h</sup>			

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia	20.6*	22.9*	Japan	47.3*	51.1*	Spain	13.6*	13.8*
India	47.8*	52.7*						

<sup>a</sup> Including anthracite and bituminous coal. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Greece, Iceland, and Luxembourg.

<sup>c</sup> Estimated production for 1965.

<sup>d</sup> Including a negligible amount of brown coal.

<sup>e</sup> Including production from all areas of Indochina.

<sup>f</sup> Estimated plan for 1965.

<sup>g</sup> Norwegian mines in Svalbard only.

<sup>h</sup> Production for the Saar is included with West Germany.

<sup>i</sup> Excluding Northern Ireland.

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## FUELS AND POWER

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Table 22  
Production of Brown Coal and Lignite <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	85.5*	101*	107*	107*	108*	
US	3.1*	2.9*	2.2*	2.5*	2.4*	
Sino-Soviet Bloc <sup>c</sup>	266	396	463	464	484	
USSR	75.9*	114.6*	143.1*	141.4*	143.0	145.0 <sup>d</sup>
North Korea	1.6	1.4	2.6	3.1	3.7	
European Satellites	188*	280*	317*	320*	337	
Albania	Negl.*	0.2*	0.3*	0.3*	0.3*	0.4 <sup>e</sup>
Bulgaria	5.8*	9.8*	12.4*	14.9*	16.6	36.0
Czechoslovakia	27.5*	40.8*	56.8*	53.7*	57.9	74.3*
East Germany	137.0*	200.6*	215.0*	215.0*	225.4*	278.0*
Hungary	11.9*	19.6*	21.6*	22.6*	23.7*	26.0 <sup>e</sup>
Poland	4.8*	6.0*	7.5*	9.3*	9.3	27.0*
Rumania	1.2*	2.8*	3.5*	3.8*	3.9	6.0 <sup>e</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada	1.8*	2.0*	Greece	1.6*	2.5*	Portugal	0.2*	0.2*
Denmark	2.3*	N.A.*	Italy	1.2*	0.8*	Turkey <sup>f</sup>	1.6*	1.7*
France	2.2*	2.3*	Netherlands	0.2*	Negl.*	West Germany	93.4*	95.8*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia	13.2*	15.2*	Japan	1.5*	1.4*	Spain	2.1*	1.7*
Austria	6.2*	6.0*	New Zealand	2.0*	2.2*	Yugoslavia	19.8*	21.4*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Belgium, Iceland, Luxembourg, Norway, and the UK, and for 1960, Denmark.

<sup>c</sup> Negligible production in Communist China is included in hard coal.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Estimated plan for 1965.

<sup>f</sup> State-owned mines only; about 70 percent of the total production in 1959.

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Table 23  
Production of Metallurgical Coke <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>132,000*</b>	<b>159,000*</b>	<b>146,000*</b>	<b>143,000*</b>	<b>150,000*</b>	
US	65,969*	68,313*	48,629*	50,678*	51,703*	
Sino-Soviet Bloc	<b>36,300</b>	<b>59,700</b>	<b>71,800</b>	<b>79,300</b>	<b>87,100</b>	
USSR	27,700*	43,600*	50,900*	53,500*	56,200*	78,500* <sup>c</sup>
Communist China <sup>d</sup>	1,200*	3,658*	6,300*	9,605	13,319	
North Korea	253*	207*	390	765	1,015	
North Vietnam	0	0	44	50	54	
European Satellites	<b>7,180</b>	<b>12,200</b>	<b>14,200</b>	<b>15,400</b>	<b>16,600</b>	
Bulgaria <sup>e</sup>	9*	10*	12	12	12	
Czechoslovakia	4,047*	5,460*	5,836*	6,200	6,600	9,720*
East Germany	254	465 <sup>f</sup>	784 <sup>f</sup>	995 <sup>f</sup>	1,012 <sup>f</sup>	820 <sup>f</sup>
Hungary <sup>g</sup>	0	30*	336*	362*	400	640*
Poland	2,802*	6,127*	6,647*	7,242*	7,712*	9,750*
Rumania	72*	144*	563*	609*	820*	1,600*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	7,217*	7,541*	Italy	3,054*	3,717*	Turkey	529*	540*
Canada	3,715*	3,513*	Netherlands	4,082*	4,518*	UK	17,277*	19,049*
France	13,200*	13,699*	Saar	4,436*	N.A.* <sup>h</sup>	West Germany	38,528*	45,393*

<sup>a</sup> Unless otherwise indicated, data include production of oven and beehive coke and exclude production of breeze coke. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Net production, excluding coke consumed by coking plants. Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal.

<sup>c</sup> Midpoint of the range of the plan for 1965 of 76 million to 81 million metric tons.

<sup>d</sup> Excluding coke made in beehive, clamp, native, and "small modern" furnaces.

<sup>e</sup> Mainly foundry coke, not suitable for blast furnaces.

<sup>f</sup> Including some high-temperature brown coal coke used for metallurgical purposes, estimated at 180,000 metric tons in 1955; 200,000 metric tons in 1958; 250,000 metric tons in 1959; and 270,000 metric tons in 1960.

<sup>g</sup> Hungarian data refer to metallurgical coke, but a large part of this "metallurgical coke" is produced in gas plants and is used with high-quality coke in charging blast furnaces.

<sup>h</sup> Production for the Saar is included with West Germany.

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Table 24  
Production of Crude Petroleum <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	273,000*	358,000*	362,000*	383,000*	386,000*	
US.....	266,699*	335,733* <sup>c</sup>	330,948* <sup>c</sup>	347,917* <sup>c</sup>	347,964* <sup>c</sup>	
Sino-Soviet Bloc <sup>d</sup> .....	44,000	84,600	129,000*	147,000*	167,000	
USSR.....	37,878*	70,793*	113,216*	129,557*	148,000*	265,000 <sup>e</sup>
Communist China <sup>f</sup> .....	203*	966*	2,260*	3,700*	4,560	
European Satellites.....	5,920	12,800	13,100*	13,400*	13,900*	
Albania.....	132	208	403*	479*	700*	1,100*
Bulgaria.....	0*	150*	222*	192*	200*	200 *
Czechoslovakia.....	64*	107*	106*	123*	137*	210
East Germany.....	0*	0*	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	1,600
Hungary.....	512*	1,601*	829*	1,036*	1,215*	2,000*
Poland.....	162*	180*	175*	175*	194*	200*
Rumania.....	5,047*	10,555*	11,336*	11,438*	11,500*	12,200*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada.....	24,969*	25,757*	Netherlands.....	1,671*	1,919*	UK.....	84*	85*
France.....	1,579*	1,984*	Turkey.....	365*	362*	West Germany.....	4,997*	5,530*
Italy.....	1,561*	1,998*						

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Argentina.....	6,042*	9,055*	Iran.....	46,595*	51,332* <sup>i</sup>	Peru.....	2,396*	2,533*
Austria.....	2,290*	2,449*	Iraq.....	42,053*	47,169*	Qatar.....	8,301*	8,052*
Bahrain.....	2,226*	2,257*	Kuwait.....	68,224*	81,746*	Saudi Arabia.....	54,030*	61,686*
Brunei and Sarawak	5,415*	4,674*	K u w a i t			Trinidad.....	5,530*	5,400*
Colombia.....	7,240*	7,713* <sup>h</sup>	Ne u t r a l			Venezuela.....	136,683*	153,253*
Indonesia.....	18,789*	20,631*	Zone.....	5,735*	7,284*	Yugoslavia.....	566*	944*
			Mexico.....	13,026*	14,350*			

<sup>a</sup> Unless otherwise indicated, data refer to crude petroleum, including shale oil but excluding natural gasoline. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Belgium, Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal.

<sup>c</sup> Including production for Alaska.

<sup>d</sup> Excluding production of synthetic crude oil, except for Communist China.

<sup>e</sup> Estimated production for 1965. The plan for 1965 is for 240 million metric tons.

<sup>f</sup> Including production of natural and synthetic crude oil.

<sup>g</sup> Estimated plan for 1965.

<sup>h</sup> Including natural gas.

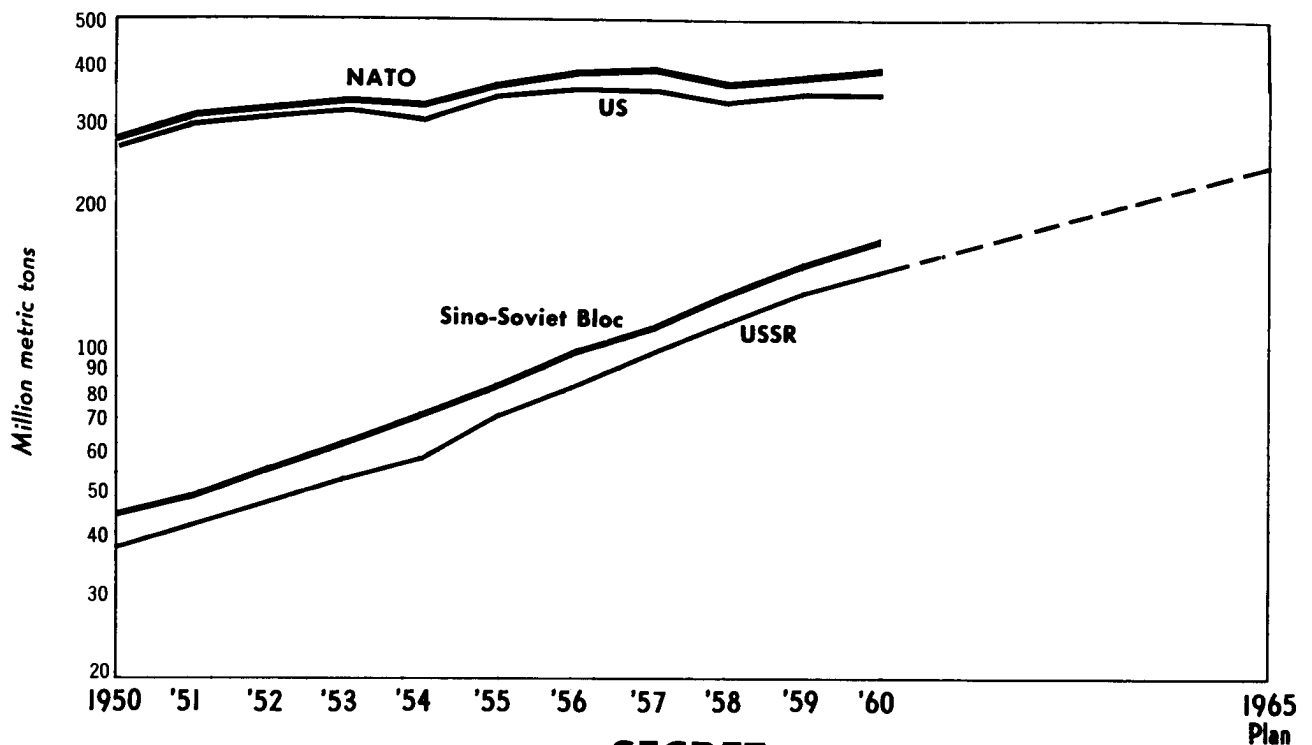
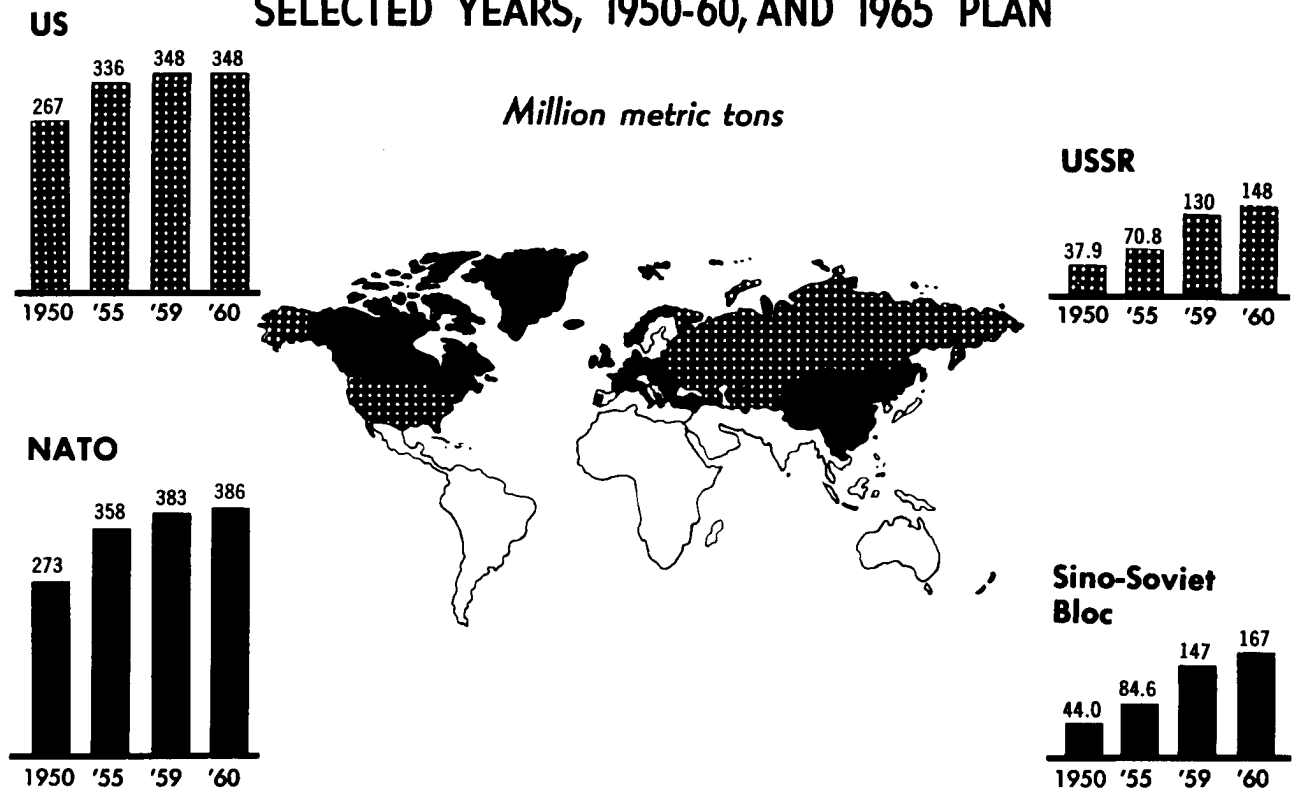
<sup>i</sup> Approximately 98 percent of the total production.

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Figure 6

# COMPARISON OF PRODUCTION OF CRUDE PETROLEUM IN SELECTED AREAS

SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 25  
Production of Natural Gas <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Cubic Meters						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>243,000*</b>	<b>340,000*</b>	<b>388,000*</b>	<b>424,000*</b>	<b>460,000*</b>	
US <sup>c</sup>	240,100*	331,900*	372,200*	403,000*	434,700*	
Sino-Soviet Bloc	<b>9,580</b>	<b>16,300</b>	<b>38,400</b>	<b>47,300</b>	<b>58,200</b>	
USSR	5,760*	8,979*	28,063*	35,500*	45,300*	148,280*
European Satellites	<b>3,820</b>	<b>7,290</b>	<b>10,300</b>	<b>11,800</b>	<b>12,900</b>	
Czechoslovakia	19*	173*	1,246*	1,700	2,000	3,000 <sup>d</sup>
East Germany	0	10	25	23	40 <sup>e</sup>	200*
Hungary	381*	545*	379*	331*	340*	1,000*
Poland	182*	393*	384*	424*	542*	1,000*
Rumania	3,243*	6,169*	8,313*	9,305*	10,000	17,000 <sup>d</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada <sup>f</sup>	12,264*	14,418*	Italy	6,120*	6,434*	West Germany	384*	448*
France	2,616*	4,438*						

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Austria	1,128*	1,469*	Japan	506*	741*	Venezuela	4,188*	4,646*
Indonesia <sup>g</sup>	2,232*	2,375*	Mexico <sup>h</sup>	6,060*	6,318*			

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements. Data for the US and the Sino-Soviet Bloc are in terms of gross production. Data for NATO other than for the US are in terms of net production.

<sup>b</sup> Including Canada, France, Italy, the US, and West Germany. Except for the US, data are in terms of net production.

<sup>c</sup> Gross production.

<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Plan data.

<sup>f</sup> Producers shipments.

<sup>g</sup> Total production, including gas for repressuring and gas wasted.

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Table 26  
Production of Petroleum Products <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>322,000*</b>	<b>469,000*</b>	<b>507,000*</b>	<b>546,000*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	272,300*	355,300*	362,200*	381,600*	N.A.*	
Sino-Soviet Bloc <sup>d</sup> .....	<b>41,100</b>	<b>79,700</b>	<b>116,000</b>	<b>130,000</b>	<b>144,000</b>	
USSR <sup>e</sup> .....	33,400	62,900	95,700	107,100	119,600	197,000 <sup>f</sup>
Communist China.....	170	1,197	2,715	3,945	4,732	
European Satellites.....	<b>7,570</b>	<b>15,600</b>	<b>18,000</b>	<b>18,900</b>	<b>20,100</b>	
Albania.....	29*	67*	285*	300*	325*	
Bulgaria.....	5*	29*	80*	100*	115	1,850*
Czechoslovakia.....	545*	1,009*	1,648*	1,802*	2,200	
East Germany.....	1,280	2,100	2,715	2,908	3,247	
Hungary.....	540*	1,555*	1,888*	2,221*	2,500	
Poland.....	260*	670*	746*	790*	830	
Rumania.....	4,914	10,125	10,618	10,800	10,910	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium....	6,240*	6,228*	Greece.....	15*	1,378*	Portugal.....	1,121*	1,173*
Canada....	28,500*	31,600*	Italy.....	22,638*	24,731*	Turkey.....	302*	338*
Denmark....	31*	36*	Netherlands...	14,457*	14,991*	UK.....	30,036*	35,589*
France.....	27,366*	27,931*	Norway.....	84*	96*	West Germany.	13,782*	19,858*

## Other Countries

Country	1958	1959	Country	1958	1959
Austria....	1,765*	1,817*	Sweden.....	2,146*	2,546*

<sup>a</sup> Data presented in this table are not intended to be totals of data in Tables 27 through 31 (pp. 31 through 35, below), because this table includes some minor miscellaneous products that are not in any of the following tables. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Unless otherwise indicated, data refer to the total production less consumption at the refineries. Synthetic products and substitute fuels are excluded.

<sup>c</sup> Including products obtained from natural gasoline treated in refineries.

<sup>d</sup> Data for the Sino-Soviet Bloc include production from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>e</sup> Excluding relatively small yields of synthetic stocks.

<sup>f</sup> Estimated production for 1965.

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Table 27  
Production of Gasoline <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>129,000*</b>	<b>181,000*</b>	<b>189,000*</b>	<b>200,000*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	115,576*	150,890*	154,426*	162,036*	179,794*	
Sino-Soviet Bloc <sup>d</sup> .....	<b>9,590</b>	<b>19,900</b>	<b>26,700</b>	<b>29,000</b>	<b>31,500</b>	
USSR <sup>e</sup> .....	7,200	15,700	21,500	23,400	25,400	35,400 <sup>f</sup>
Communist China.....	46	249	804	1,150	1,404	
European Satellites.....	<b>2,340</b>	<b>3,920</b>	<b>4,390</b>	<b>4,460</b>	<b>4,680</b>	
Albania.....	5*	4*	31*	35	40	
Bulgaria.....	0*	0*	<i>Negl.*</i>	<i>Negl.*</i>	<i>Negl.*</i>	270*
Czechoslovakia.....	150	293*	325*	371*	420	915*
East Germany.....	445	672	749	845	870	
Hungary.....	189*	187*	272*	301*	330*	
Poland.....	49*	128*	196*	213*	220	
Rumania.....	1,502*	2,635*	2,821*	2,698*	2,800	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium....	1,150*	1,166*	Italy.....	3,322*	3,718*	Turkey.....	66*	75*
Canada....	10,296*	11,401*	Netherlands..	2,863*	2,608*	UK.....	6,859*	7,652*
France....	5,840*	6,224*	Norway.....	6*	8*	West Germany..	3,712*	4,636*
Greece.....	<i>Negl.*</i>	137*	Portugal....	287*	315*			

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Bahrain....	1,525*	1,652*	Mexico.....	2,815*	3,190*	Saudi Arabia....	872*	959*
Indonesia..	2,317* <sup>a</sup>	1,632*	Netherlands			Venezuela.....	4,495*	4,718*
Japan.....	3,082*	3,776*	Antilles...	4,977*	4,272*			

<sup>a</sup> Unless otherwise indicated, including motor and aviation gasoline but excluding jet fuel. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Iceland, and Luxembourg.

<sup>c</sup> Including products obtained from natural gasoline treated in refineries.

<sup>d</sup> Data for the Sino-Soviet Bloc include production of gasoline from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>e</sup> Excluding relatively small yields of synthetic stock.

<sup>f</sup> Estimated production for 1965.

<sup>a</sup> Including production for British Borneo.

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Table 28  
Production of Kerosine <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

					Thousand Metric Tons	
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>16,900*</b>	<b>19,200*</b>	<b>19,400*</b>	<b>20,300*</b>	<b>N.A.*</b>	
US.....	15,232*	15,055*	14,139*	14,224*	17,451*	
Sino-Soviet Bloc <sup>c</sup> .....	<b>7,230</b>	<b>12,600</b>	<b>15,200</b>	<b>16,400</b>	<b>17,900</b>	
USSR <sup>d</sup> .....	6,300	10,900	13,200	14,600	16,000	24,000 <sup>e</sup>
Communist China.....	12	112	228	350	416	
European Satellites.....	<b>915</b>	<b>1,560</b>	<b>1,720</b>	<b>1,480</b>	<b>1,490</b>	
Albania.....	<i>Negl.*</i>	6*	15*	10	10	
Bulgaria.....	0*	0*	<i>Negl.*</i>	<i>Negl.*</i>	<i>Negl.*</i>	60*
Czechoslovakia.....	50	85*	112*	120*	120	
East Germany.....	8	10	11	10	12	
Hungary.....	86*	65*	47*	45*	40	
Poland.....	35*	28*	8*	13*	10	
Rumania.....	736*	1,362*	1,529*	1,279*	1,300	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium <sup>f</sup>	328*	396*	Greece	<i>Negl.*</i>	106*	Portugal	223*	228*
Canada	1,621*	1,788*	Italy	478*	444*	UK <sup>f</sup>	1,313*	1,801*
France	428*	461*	Netherlands	780*	800*	West Germany	43*	46*

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Bahrein	682*	774*	Mexico	1,281*	1,443*	Saudi Arabia	552*	628*
Indonesia	1,545* <sup>g</sup>	1,386*	Netherlands			Venezuela	839*	1,327*
Japan	1,054*	1,480*	Antilles	1,245*	3,263*	Yugoslavia	62*	63*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Iceland, Luxembourg, Norway, and Turkey. Data for Belgium and the UK include jet fuel.

<sup>c</sup> Data for the Sino-Soviet Bloc include production of kerosine from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>d</sup> Excluding relatively small yields of synthetic stock but including ligroine.

<sup>e</sup> Estimated production for 1965.

<sup>f</sup> Including jet fuel.

<sup>g</sup> Including production for British Borneo.

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Table 29  
Production of Diesel Fuel <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>24,200*</b>	<b>49,100*</b>	<b>61,000*</b>	<b>67,400*</b>	<b>N.A.*</b>	
US <sup>c</sup>	14,034*	22,680*	26,127*	27,418*	N.A.*	
Sino-Soviet Bloc <sup>d</sup>	<b>5,110</b>	<b>14,200</b>	<b>29,400</b>	<b>32,800</b>	<b>36,100</b>	
USSR <sup>e</sup>	3,600	10,900	24,700	27,000	29,500	43,000 <sup>f</sup>
Communist China	7	57	261	446	520	
European Satellites	<b>1,500</b>	<b>3,270</b>	<b>4,440</b>	<b>5,320</b>	<b>6,080</b>	
Albania	4*	6*	50*	63*	68*	90*
Bulgaria	0*	5*	16	20	25	500*
Czechoslovakia <sup>g</sup>	190*	401*	811*	981*	1,300	3,805*
East Germany	405	750	1,042	1,133	1,320	
Hungary	120*	351*	521*	641*	730*	
Poland	50*	134*	197*	204*	235	
Rumania	731*	1,626*	1,807*	2,277*	2,400	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium	1,572*	1,957*	Italy	4,670*	5,177*	Turkey	24*	35*
Canada <sup>h</sup>	8,256*	10,009*	Netherlands	3,364*	3,435*	UK	6,385*	7,357*
France	6,574*	6,919*	Norway	11*	24*	West Germany	3,821*	4,458*
Greece	Negl.*	387*	Portugal	161*	174*			

## Other Countries

Country	1958	1959	Country	1958	1959
Austria	599*	629*	Sweden	468*	588*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data refer to production of gas-diesel oil, except in the US and Canada (see the footnotes for individual countries).

<sup>c</sup> Sales of diesel fuel oil on the basis of all categories of use.

<sup>d</sup> Data for the Sino-Soviet Bloc include production of diesel fuel from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR. Including production of residual fuel oil for Czechoslovakia.

<sup>e</sup> Total of light and heavy types, excluding relatively small yields of synthetic stocks.

<sup>f</sup> Estimated production for 1965.

<sup>g</sup> Including diesel fuel and residual fuel oil.

<sup>h</sup> Distillate fuel oil.

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## FUELS AND POWER

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Table 30  
Production of Lubricating Oils \*  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>9,440*</b>	<b>10,600*</b>	<b>10,100*</b>	<b>11,000*</b>	<b>N.A.*</b>	
US.....	7,791*	8,409*	7,726*	8,450*	8,944*	
Sino-Soviet Bloc <sup>c</sup> .....	<b>2,080</b>	<b>3,370</b>	<b>5,460</b>	<b>6,000</b>	<b>6,500</b>	
USSR <sup>d</sup> .....	1,700	2,700	4,600	5,000	5,400	7,900 •
Communist China.....	5	31	81	120	156	
European Satellites.....	<b>371</b>	<b>637</b>	<b>780</b>	<b>875</b>	<b>942</b>	
Albania.....	<i>Negl.</i>	1	6	7	7	
Bulgaria.....	5*	8*	21	24	25	50*
Czechoslovakia.....	55	100	140	150	160	185*
East Germany.....	100	155	175	170	175	
Hungary.....	32*	84*	82*	88*	100	
Poland.....	54*	127*	145*	160*	165	
Rumania.....	125*	162*	211*	276*	310	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	27*	30*	Greece.....	9*	9*	Norway.....	17*	18*
Canada.....	298*	300*	Italy.....	154*	153*	UK.....	763*	877*
France.....	564*	597*	Netherlands....	158*	192*	West Germany....	380*	413*

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Japan.....	435*	502*	Venezuela.....	195*	188*	Yugoslavia.....	45*	54*
Netherlands Antilles.....	284*	350*						

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Iceland, Luxembourg, Portugal, and Turkey. Data for NATO and "Other Countries" include production of lubricating oils and solid lubricants.

<sup>c</sup> Data for the Sino-Soviet Bloc include production of lubricating oils from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>d</sup> Excluding relatively small yields of synthetic stocks.

<sup>e</sup> Estimated production for 1965.

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Table 31  
Production of Residual and Other Petroleum Products \*  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	82,400*	105,000*	108,000*	115,000*	N.A.*	
US.....	63,847*	63,113*	54,559*	52,237*	49,872*	
Sino-Soviet Bloc <sup>c</sup> .....	16,100	29,200	39,700	45,800	52,500	
USSR <sup>d</sup> .....	13,600	22,300	31,700	37,100	43,300	86,700
Communist China.....	100	748	1,341	1,879	2,236	
European Satellites.....	2,450	6,170	6,630	6,790	6,940	
Albania.....	20	50	183	185	200	
Bulgaria.....	Negl.*	16*	43*	56*	65*	970*
Czechoslovakia.....	100	130	250	180	200	
East Germany.....	322	513	738	750	870	
Hungary.....	113*	868*	966*	1,146*	1,300	
Poland.....	72*	253*	200*	200*	200	
Rumania.....	1,820	4,340	4,250	4,270	4,100	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium...	2,592*	2,101*	Greece.....	Negl.*	693*	Portugal.....	378*	369*
Canada....	5,110*	5,609*	Italy.....	11,900*	13,059*	Turkey.....	168*	180*
Denmark...	7*	10*	Netherlands...	6,041*	6,555*	UK.....	12,774*	15,848*
France....	11,109*	10,183*	Norway.....	11*	2*	West Germany.	3,774*	7,788*

## Other Countries

Country	1958	1959	Country	1958	1959
Netherlands Antilles....	21,275*	20,387*	Venezuela.....	22,392*	26,265*

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland and Luxembourg. Data for Canada and the US refer to production of residual fuel oil. Data for the remaining countries of NATO refer to production of fuel oil.

<sup>c</sup> Data for the Sino-Soviet Bloc include production from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

<sup>d</sup> Excluding relatively small yields of synthetic stocks.

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## MINERALS AND METALS

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Table 32  
Production of Iron Ore <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>160*</b>	<b>208*</b>	<b>181*</b>	<b>182*</b>	<b>217*</b>	
US <sup>c</sup>	99.60*	104.65*	69.04*	60.44*	89.04*	
Sino-Soviet Bloc <sup>d</sup>	<b>46.2*</b>	<b>88.6*</b>	<b>157*</b>	<b>176</b>	<b>209</b>	
USSR	39.65*	71.86*	88.82*	94.39*	106.50*	168.00 *
Communist China	2.35*	9.60*	59.00*	71.00	90.00	
North Korea	0.74*	0.14*	1.24*	2.16*	2.49*	
North Vietnam	0	0.02	0.12	0.12	0.14	
European Satellites	<b>3.49*</b>	<b>6.95*</b>	<b>7.77*</b>	<b>8.63*</b>	<b>9.55</b>	
Albania <sup>f</sup>	N.A.	N.A.	0.09*	0.18*	0.26*	
Bulgaria	0.05*	0.11*	0.30*	0.38*	0.41	
Czechoslovakia	1.60*	2.49*	2.80*	2.97*	3.12*	4.40 *
East Germany	0.40*	1.66*	1.51*	1.60*	1.60	1.67*
Hungary	0.37*	0.35*	0.37*	0.44*	0.52*	0.68*
Poland	0.68*	1.70*	1.96*	2.01*	2.18	3.12*
Rumania	0.39*	0.64*	0.74*	1.05*	1.46*	4.00*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	0.14*	0.16*	Luxembourg	6.50*	6.98*	Turkey <sup>j</sup>	0.47*	0.39*
Canada <sup>b</sup>	22.18*	19.37*	Norway	1.60*	1.81* <sup>i</sup>	UK	15.11*	17.32*
France	60.90*	66.91*	Portugal	0.24*	0.29*	West Germany	12.97*	13.52*
Italy	1.24*	1.25*						

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Austria	3.38*	3.55*	Japan	2.54*	2.85*	Sweden	18.35*	21.32*
India	7.93*	10.45*	Spain	4.61*	5.44*	Venezuela	17.20*	19.60*

<sup>a</sup> Unless otherwise indicated, data refer to the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Denmark, Greece, Iceland, and the Netherlands, and for 1950, Portugal. Metal content of ore in the NATO countries and other Free World countries is as follows: Austria, Luxembourg, the UK, and West Germany, 30 percent; Belgium and France, 35 percent; Italy, Portugal, Spain, and the US, 50 percent; Canada and Japan, 55 percent; Sweden, 60 percent; and India, Norway, Turkey, and Venezuela, 65 percent.

<sup>c</sup> Excluding manganiferous iron ore containing 5 percent or more of manganese.

<sup>d</sup> The metal content of ore in selected Sino-Soviet Bloc countries is as follows: USSR, commercial grade; North Korea, 50 percent; Bulgaria, 49 percent; Czechoslovakia, 34 percent; East Germany, 26 to 28 percent; Hungary, 28 percent; Poland, 35 percent; and Rumania, 40 percent.

<sup>e</sup> Estimated production for 1965.

<sup>f</sup> Iron-nickel ore that is mined for its nickel content.

<sup>g</sup> Revised plan for 1965.

<sup>h</sup> Shipments.

<sup>i</sup> Including ferrotitanium (about 10 percent of the total).

<sup>j</sup> Production of state-owned mines only (57 percent of the total in 1958).



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Table 33  
Production of Manganese Ore <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	175*	396*	388*	326*	N.A.*	
US <sup>c</sup> . . . . .	122*	261*	297*	208*	N.A.*	
Sino-Soviet Bloc . . . . .	3,810*	5,780	6,460	7,300	8,140	
USSR . . . . .	3,377*	4,743*	5,366*	5,516*	6,100	6,875*
Communist China . . . . .	88*	196	534*	1,243*	1,500	
European Satellites . . . . .	348*	843*	558	541	543	
Bulgaria . . . . .	8*	63*	28*	23*	25*	
Czechoslovakia . . . . .	168*	260*	165*	156*	160	
Hungary . . . . .	79*	130*	165	165	170	
Rumania . . . . .	93*	390*	200*	197*	188	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Greece . . . . .	20*	30*	Portugal . . . . .	5*	5*	Turkey . . . . .	23*	32*
Italy . . . . .	43*	52*						

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Brazil . . . . .	882*	957* <sup>d</sup>	Ghana <sup>d</sup> . . . . .	521*	535*	Morocco (South- ern Zone) . . . . .	410*	471*
Congo . . . . .	338*	386*	India . . . . .	1,250*	1,095*	Union of South Africa . . . . .	847*	970*
Cuba <sup>d</sup> . . . . .	68*	53*	Japan . . . . .	296*	340*			

<sup>a</sup> The metal content of the ore of the various countries is as follows: the US, more than 35 percent; other Free World countries, 30 to 50 percent; the USSR, 45 percent; Communist China, about 35 percent; Bulgaria (1950 and 1955), 27 percent; Rumania, 30 percent; Czechoslovakia, less than 30 percent; and Bulgaria (1958-60) and Hungary, about 27 percent. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Greece, Italy, Portugal, Turkey, and the US.

<sup>c</sup> Shipments.

<sup>d</sup> Exports.

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## MINERALS AND METALS

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Table 34  
Production of Pig Iron <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>98,900*</b>	<b>130,000*</b>	<b>113,000*</b>	<b>120,000*</b>	<b>137,000*</b>	
US <sup>c</sup>	60,211*	71,906*	52,416*	55,128*	61,036*	
Sino-Soviet Bloc	<b>24,900*</b>	<b>46,200*</b>	<b>64,700*</b>	<b>76,400*</b>	<b>88,500</b>	
USSR	19,175*	33,310*	39,600*	42,972*	46,800*	73,000 <sup>d</sup>
Communist China	978*	3,872*	13,690* <sup>e</sup>	20,500* <sup>f</sup>	27,500* <sup>g</sup>	
North Korea	155*	112*	320*	585*	752*	
North Vietnam	0*	0*	N.A.	N.A.	10	
European Satellites	<b>4,600*</b>	<b>8,860*</b>	<b>11,000*</b>	<b>12,400*</b>	<b>13,400</b>	
Bulgaria	3* <sup>h</sup>	7* <sup>h</sup>	84*	177*	189	
Czechoslovakia	1,951*	2,982*	3,774*	4,245*	4,695*	7,700* <sup>i</sup>
East Germany	337*	1,517*	1,775*	1,898*	1,995*	2,150*
Hungary	461*	868*	1,082*	1,104*	1,249	1,775
Poland <sup>j</sup>	1,533*	2,920*	3,592*	4,080*	4,260*	6,441*
Rumania	320*	570*	737*	846*	1,014*	2,000*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	5,964*	6,553*	Italy	2,196*	2,796*	Saar	3,204*	N.A.* <sup>k</sup>
Canada	3,912*	4,005*	Luxembourg	3,444*	3,786*	Turkey	236*	245*
Denmark	59*	69*	Netherlands	1,140*	1,346*	UK	12,780*	16,018*
France	12,648*	14,345*	Norway	610*	713*	West Germany	18,516*	25,891*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia	2,544*	2,928*	Japan	9,840*	12,342*	Union of South		
India	3,108*	4,174*	Sweden	1,404*	1,505*	Africa	1,812*	2,000*
						Yugoslavia	904*	1,019*

<sup>a</sup> Unless otherwise indicated, data refer to the total production of pig iron and ferroalloys, including ferroalloys obtained in electric furnaces but excluding sponge iron. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Greece, Iceland, and Portugal.

<sup>c</sup> Excluding production in electric furnaces.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Including 4.16 million metric tons of "native iron."

<sup>f</sup> Including 9.6 million metric tons of pig iron made in "small, modern blast furnaces," of which 5.9 million metric tons were usable for production of steel.

<sup>g</sup> Plan data.

<sup>h</sup> Although the Bulgarian Yearbook lists these data as pig iron, the data probably refer to iron castings because there were no facilities for production of pig iron before 1957.

<sup>i</sup> Revised plan for 1965.

<sup>j</sup> Polish official data for production of pig iron were expressed in terms of open-hearth pig iron, which increased actual tonnages. These inflated figures were converted into actual production of pig iron to make them agree with the statistics of other countries by the use of the following factors:

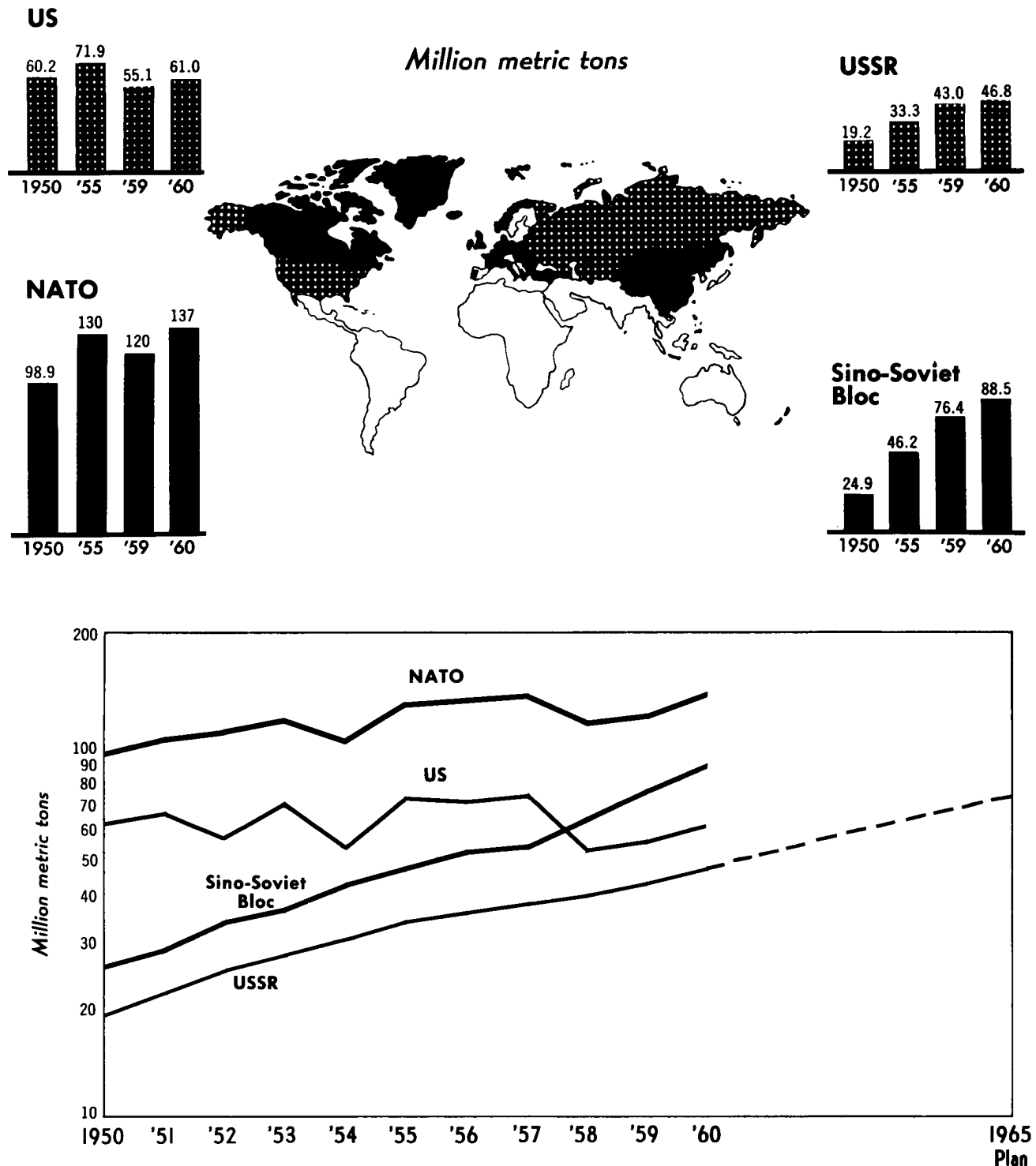
Pig iron to open-hearth steel	÷1.0
Pig iron to foundry steel	÷1.15
Spiegeleisen	÷2.5
Ferromanganese	÷2.5

<sup>k</sup> Production for the Saar is included with West Germany.

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Figure 7

## COMPARISON OF PRODUCTION OF PIG IRON IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 35  
Production of Chrome <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>212*</b>	<b>375*</b>	<b>344*</b>	<b>247*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	0.2*	53.7*	52.0*	38.0* <sup>d</sup>	N.A.*	
Sino-Soviet Bloc <sup>e</sup> .....	<b>368</b>	<b>406</b>	<b>461</b>	<b>554</b>	<b>659</b>	
USSR.....	338.1	304.0	367.5	439.5	519.5	735 <sup>f</sup>
North Vietnam.....	0	0	2.8	3.5	10.0 <sup>g</sup>	
European Satellites.....	<b>30.0</b>	<b>102</b>	<b>90.6</b>	<b>112</b>	<b>129</b>	
Albania.....	23.4	54.9	90.6	111.5	129.2	
Bulgaria.....	3.0	3.0	N.A.	N.A.	N.A.	
Rumania.....	3.6	44.1	0	0	0	

## NATO Countries

Country	1958	1959	Country	1958	1959
Greece.....	26.2*	26.0*	Turkey.....	266.0*	183.4*

<sup>a</sup> Data refer to the estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of ores mined. In many instances, data are only approximate. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Greece, Turkey, and the US.

<sup>c</sup> Shipments from mines.

<sup>d</sup> Production from government-owned facilities only.

<sup>e</sup> The following percentages were used to reduce the estimates of ores mined in the Sino-Soviet Bloc to show the chromic oxide content: USSR, a part at 35 percent and the remainder at 40 percent; North Vietnam, at 50 percent; Albania and Rumania, at 45 percent; and Bulgaria, at 30 percent.

<sup>f</sup> Estimated production for 1965.

<sup>g</sup> Plan data.

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## MINERALS AND METALS

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Table 36  
Production of Crude Steel <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>140*</b>	<b>184*</b>	<b>160*</b>	<b>175*</b>	<b>194*</b>	
US <sup>c</sup>	87.85*	106.17*	77.34*	84.77*	90.07*	
Sino-Soviet Bloc	<b>36.6</b>	<b>62.5</b>	<b>80.7</b>	<b>93.2</b>	<b>106</b>	
USSR	27.33*	45.27*	54.92*	59.95*	65.30*	95.0*
Communist China	0.60*	2.85*	8.00*	13.35*	18.45*	
North Korea	0.12*	0.14*	0.36*	0.45*	0.64*	2.5* <sup>d</sup>
European Satellites	<b>8.54</b>	<b>14.3</b>	<b>17.4</b>	<b>19.4</b>	<b>21.2</b>	
Bulgaria	0.03	0.12	0.26	0.28	0.29	
Czechoslovakia	3.12*	4.47*	5.51*	6.14*	6.77*	10.6* <sup>e</sup>
East Germany	1.27*	2.84*	3.46*	3.65*	3.79	5.2*
Hungary	1.05*	1.63*	1.63*	1.76*	1.88*	2.6
Poland	2.52*	4.43*	5.63*	6.16*	6.68*	9.3*
Rumania	0.56*	0.77*	0.93*	1.42*	1.81*	3.3*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	6.43*	7.18*	Italy	6.76*	8.22*	Saar	3.61*	N.A.* <sup>f</sup>
Canada	5.38*	5.25*	Luxembourg	3.66*	4.08*	Turkey	0.21*	0.26*
Denmark	0.29*	0.32*	Netherlands	1.67*	1.94*	UK	20.51*	24.70*
France	15.22*	17.28*	Norway	0.42*	0.48*	West Germany	25.82*	34.10*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia <sup>a</sup>	3.44*	3.74*	Japan	16.63*	22.14*	Union of South		
India	2.47*	3.24*	Sweden	2.84*	3.22*	Africa <sup>b</sup>	1.90*	2.11*
						Yugoslavia	1.30*	1.44*

<sup>a</sup> Unless otherwise indicated, data refer to the total production of ingots and steel for castings. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Greece, Iceland, and Portugal.

<sup>c</sup> Excluding steel for castings made in foundries operated by companies not producing ingots (111,000 metric tons in 1956).

<sup>d</sup> Plan data for 1967.

<sup>e</sup> Revised plan for 1965.

<sup>f</sup> Production for the Saar is included with West Germany.

\* Excluding castings.

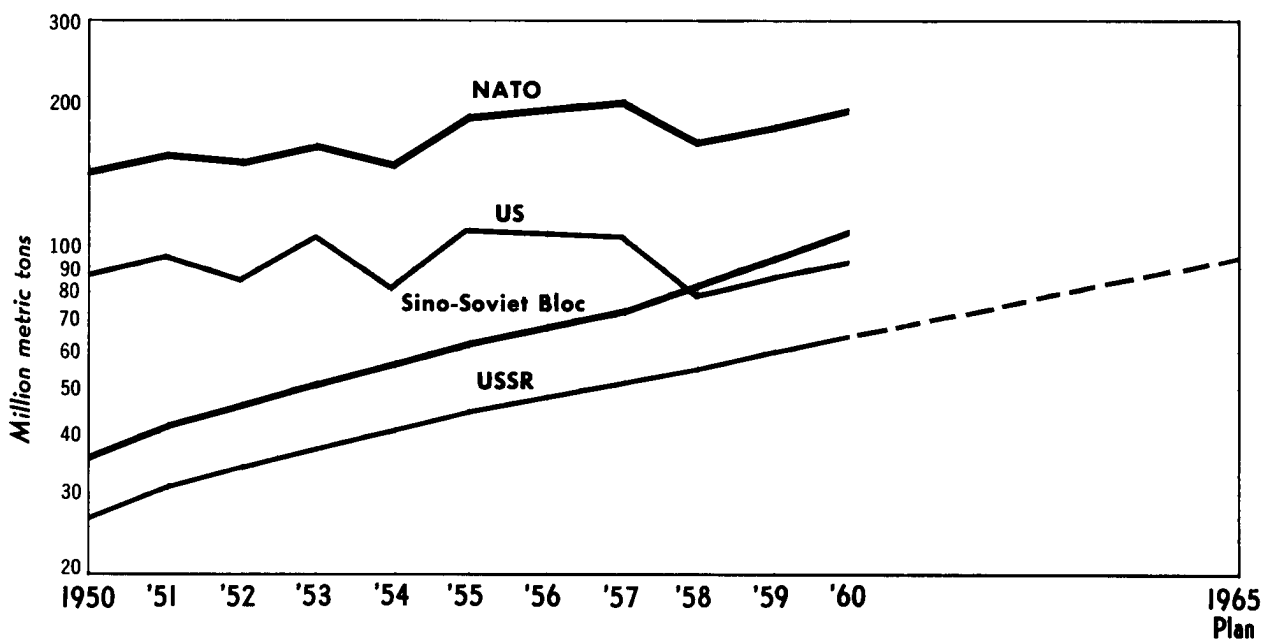
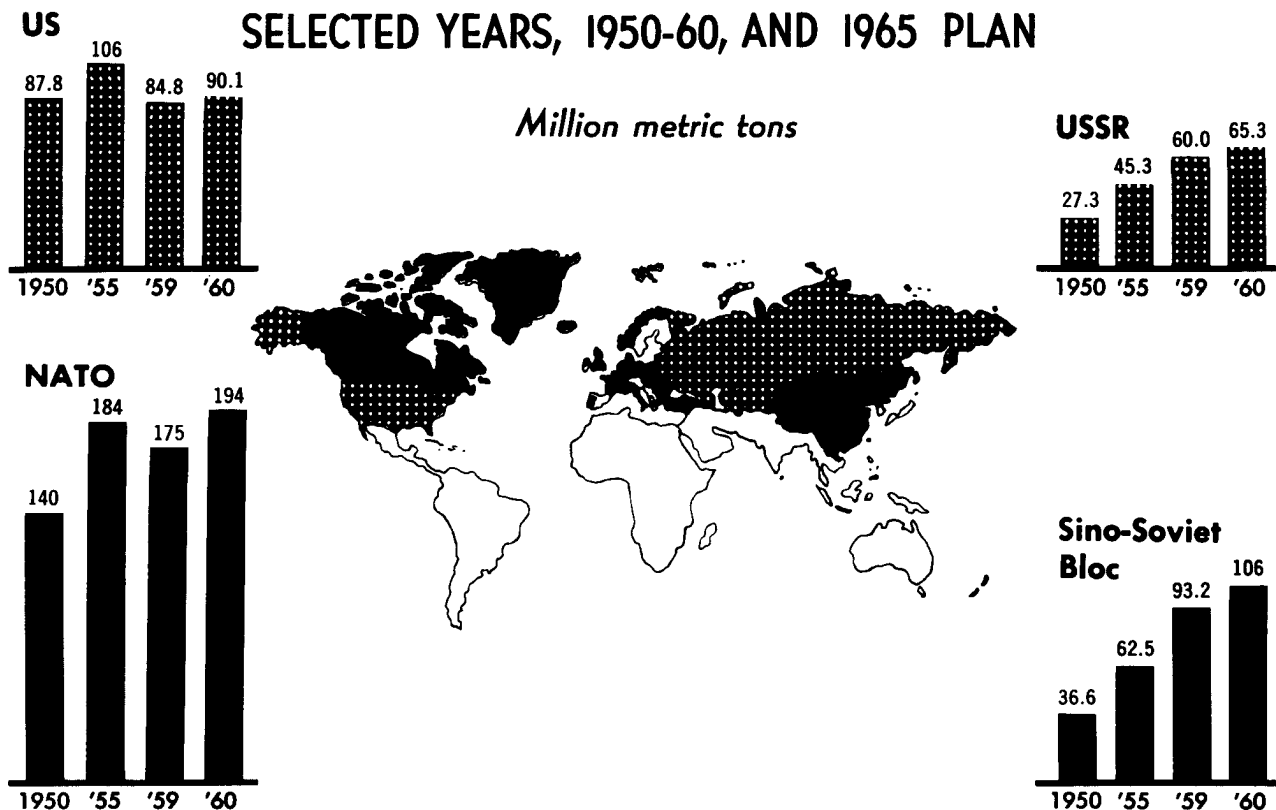
<sup>b</sup> Including finished castings.

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Figure 8

## COMPARISON OF PRODUCTION OF CRUDE STEEL IN SELECTED AREAS

SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 37  
Production of Tungsten Ore <sup>a</sup>  
Selected Years, 1950-60

Country	Metric Tons				
	1950	1955	1958	1959	1960
NATO <sup>b</sup>	<b>7,620*</b>	<b>22,500*</b>	<b>6,860*</b>	<b>6,520*</b>	<b>N.A.*</b>
US <sup>c</sup>	4,373*	14,889*	3,436*	3,310*	N.A.*
Sino-Soviet Bloc	<b>17,700</b>	<b>29,500</b>	<b>42,700</b>	<b>46,900</b>	<b>49,300</b>
USSR	4,500	7,500	10,000	11,000	12,150
Communist China	11,600*	20,000	30,000	33,000	34,000
North Korea	1,571*	1,864*	2,563*	2,789*	3,015*
European Satellites	<b>0</b>	<b>167</b>	<b>149</b>	<b>152</b>	<b>150</b>
East Germany	0	167 <sup>d</sup>	149	152	150

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada	522*	N.A.*	Italy	9*	6*	UK	2*	N.A.*
France	982*	838*	Portugal	1,913*	2,368*			

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Australia	1,440*	1,021*	Congo <sup>f</sup>	1,342*	1,097*	Spain	1,180*	813*
Bolivia <sup>e</sup>	2,229*	2,423*	South Korea	3,263*	3,412*	Thailand	658*	502*
Burma <sup>f</sup>	1,512*	1,072*						

<sup>a</sup> Unless otherwise indicated, data refer to the estimated tonnage of tungsten trioxide (60 percent WO<sub>3</sub> basis). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, France, Italy, Portugal, and the US, and except for 1959, Canada and the UK.

<sup>c</sup> Shipments.

<sup>d</sup> Plan data.

<sup>e</sup> Exports.

<sup>f</sup> Including WO<sub>3</sub> in tin-tungsten concentrates.

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## MINERALS AND METALS

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Table 38  
Production of Refined Nickel <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>99,000*</b>	<b>145,000*</b>	<b>136,000*</b>	<b>174,000*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	828*	3,454*	10,650*	10,529*	N.A.*	
Sino-Soviet Bloc.....	<b>33,900</b>	<b>46,100</b>	<b>59,600</b>	<b>65,100</b>	<b>73,400</b>	
USSR.....	33,400	46,000	59,400	65,000	72,000	115,000 <sup>d</sup>
Communist China.....	0	0	0	<i>Negl.</i>	1,000	
North Korea.....	29	0*	0*	N.A.	200	
European Satellites.....	<b>448</b>	<b>130</b>	<b>178</b>	<b>127</b>	<b>200</b>	
East Germany.....	92 <sup>e</sup>	130 <sup>f</sup>	178	127	200	2,400* <sup>g</sup>
Poland.....	356	0*	0*	0*	0*	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada.....	69,300*	101,600*	Italy.....	75*	120*	UK.....	23,466*	27,367*
France.....	7,855*	7,232*	Norway....	23,589*	25,797*	West Germany..	1,133*	1,001*

## Other Countries

Country	1958	1959	Country	1958	1959
Cuba <sup>b</sup> .....	17,946*	17,833*	New Caledonia.....	2,306*	4,902*

<sup>a</sup> Unless otherwise indicated, data refer to production of refined metal obtained from ores and concentrates or from scrap and old material. Metal recovered by mere fusion (without refining) from scrap or old material is excluded. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada, France, Italy, Norway, the UK, the US, and West Germany.

<sup>c</sup> Byproduct in the electrolytic refining of copper and, except for data for 1950, recovered nickel from refined domestic ore.

<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Produced from imported ores.

<sup>f</sup> Produced from ore stock and scrap.

<sup>g</sup> Including 2,200 metric tons of refined nickel and 200 metric tons of nickel content contained in planned production of nickel luppen (blooms).

<sup>h</sup> Nickel content of oxide



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Table 39

Production of Molybdenum <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country						Metric Tons
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>13,000*</b>	<b>28,600*</b>	<b>19,200*</b>	<b>23,700*</b>	<b>N.A.*</b>	
US.....	12,918*	28,023*	18,628*	23,113*	N.A.*	
Sino-Soviet Bloc.....	<b>2,080</b>	<b>4,170</b>	<b>8,010</b>	<b>8,360</b>	<b>8,960</b>	
USSR.....	1,900	2,820	4,050	4,400	4,800	7,300 <sup>c</sup>
Communist China.....	125	1,250	3,800	3,800	4,000	
North Korea.....	50	100	160	160	160	

## NATO Countries

Country	1958	1959	Country	1958	1959
Canada.....	403*	386*	Norway.....	218*	218*

## Other Countries

Country	1958	1959	Country	1958	1959
Chile.....	1,348*	1,717*	Japan.....	310*	360*

<sup>a</sup> Data refer to production of molybdenum (Mo) in ores and concentrates. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada, Norway, and the US.

<sup>c</sup> Estimated production for 1965.

Table 40

Production of Cobalt <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country						Metric Tons
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>632*</b>	<b>2,690*</b>	<b>3,430*</b>	<b>2,850*</b>	<b>N.A.*</b>	
US.....	367*	1,183*	2,197*	1,358*	N.A.*	
Sino-Soviet Bloc.....	<b>465</b>	<b>935</b>	<b>1,200</b>	<b>1,400</b>	<b>1,640</b>	
USSR.....	465	935	1,200	1,400	1,640	3,600 <sup>d</sup>

## NATO Countries

Country	1958	1959
Canada <sup>e</sup> .....	1,229*	1,496*

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Congo <sup>f</sup> .....	6,500*	8,431*	Morocco <sup>g</sup> .....	1,000*	1,208*	Northern Rhodesia <sup>h</sup> ...	1,971*	2,792*

<sup>a</sup> Unless otherwise indicated, data refer to the cobalt (Co) content of ores mined. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada and the US.

<sup>c</sup> Bulgaria began production of cobalt concentrates in 1956, but quantities are not known.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Metal, salts, and oxide recovered from smelter products plus cobalt contained in cobalt ore and residues exported.

<sup>f</sup> Cobalt content of alloys.

<sup>g</sup> Content of ore.

<sup>h</sup> Cobalt content of cobalt alloys, cobalt metal produced, and cobalt content of other materials produced.

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## MINERALS AND METALS

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Table 41  
Production of Primary Aluminum <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>1,210*</b>	<b>2,400*</b>	<b>2,510*</b>	<b>2,890*</b>	<b>3,190*</b>	
US.....	651.9*	1,420.4*	1,420.8*	1,772.4*	1,827.6*	
Sino-Soviet Bloc.....	<b>173</b>	<b>549</b>	<b>681</b>	<b>815</b>	<b>967</b>	
USSR.....	155.3	430.0	510.0	600.0	700.0	1,450 <sup>c</sup>
Communist China.....	0	10.0	49.0*	70.0*	100.0	250 <sup>d</sup>
European Satellites.....	<b>17.5</b>	<b>109</b>	<b>122</b>	<b>145</b>	<b>167</b>	
Czechoslovakia.....	0	24.4*	26.4*	41.0	56.0	85*
East Germany.....	0.8	26.8	34.0	35.1	35.0	55 <sup>e</sup>
Hungary.....	16.7*	37.0*	39.5*	45.7*	49.5*	55*
Poland.....	0*	20.4*	22.4*	22.8*	26.0*	75* <sup>f</sup>
Rumania.....	0*	0*	0*	0*	0*	25* <sup>g</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada.....	543.6*	676.0*	Italy.....	75.0*	83.6*	UK <sup>h</sup> .....	25.0*	29.4*
France.....	173.0*	235.7*	Norway.....	144.8*	165.4*	West Germany...	151.2*	168.9*

<sup>a</sup> Unless otherwise indicated, data refer to production of primary (virgin) aluminum from domestic and imported ores. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada, France, Italy, Norway, the UK, the US, and West Germany.

<sup>c</sup> Midpoint of the range of the estimated plan for 1965 of 1.4 million to 1.5 million metric tons.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Estimated plan for 1965.

<sup>f</sup> Annual rate of production to be reached before the end of 1965.

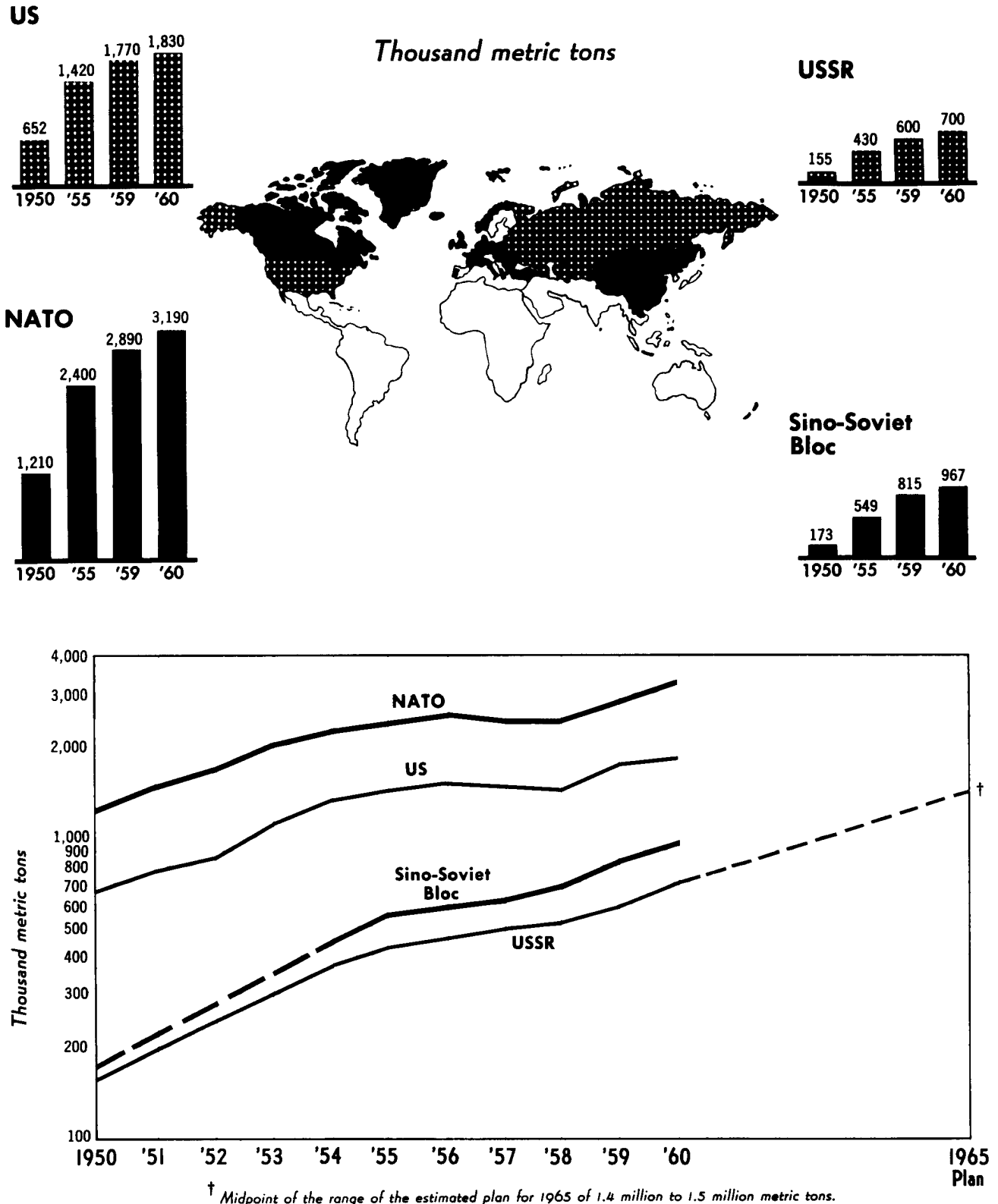
<sup>g</sup> Midpoint of the range of the plan for 1965 of 20,000 to 30,000 metric tons.

<sup>h</sup> Including the pure content of virgin alloys.

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Figure 9

# **COMPARISON OF PRODUCTION OF PRIMARY ALUMINUM IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN**



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MINERALS AND METALS

Table 42  
Production of Bauxite \*  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>2,400*</b>	<b>4,140*</b>	<b>4,310*</b>	<b>4,670*</b>	<b>N.A.*</b>	
US.....	1,356*	1,817*	1,332*	1,727*	N.A.*	
Sino-Soviet Bloc.....	<b>1,120</b>	<b>4,100</b>	<b>4,670</b>	<b>5,300</b>	<b>6,750</b>	
USSR.....	530	2,700 <sup>c</sup>	3,200 <sup>c</sup>	3,800 <sup>c</sup>	4,800 <sup>c</sup>	11,500 <sup>c d</sup>
Communist China *.....	0	110	360	490	700	1,700 <sup>f</sup>
European Satellites.....	<b>587</b>	<b>1,290</b>	<b>1,110</b>	<b>1,010</b>	<b>1,250</b>	
Hungary.....	578*	1,241*	1,053*	957*	1,188*	1,525*
Rumania.....	9	50	55	56	58	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
France.....	1,817*	1,745*	Italy.....	299*	292*	West Germany	4*	4*
Greece.....	857*	900*						

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
British Guiana..	1,611*	1,701*	Jamaica.....	5,814*	5,207*	Surinam.....	2,988*	3,430*

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including France, Greece, Italy, the US, and West Germany.

<sup>c</sup> Including nonbauxite aluminum-bearing ores.

<sup>d</sup> Midpoint of the range of the estimated planned production for 1965 of 11 million to 12 million metric tons.

<sup>e</sup> Including only aluminous shales and clays used for the manufacture of aluminum or for export. Excluding shales used for refractories, abrasives, and cement.

<sup>f</sup> Estimated production for 1965.

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## MINERALS AND METALS

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Table 43  
Production of Refined Copper <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>2,050*</b>	<b>2,410*</b>	<b>2,440*</b>	<b>2,290*</b>	<b>2,840*</b>	
US	1,276.1*	1,436.1*	1,450.2*	1,223.3*	1,642.3*	
Sino-Soviet Bloc	<b>294</b>	<b>463</b>	<b>516</b>	<b>560</b>	<b>617</b>	
USSR	246.6	377.3	406.3	416.5	426.9	772.0 <sup>c</sup>
Communist China	5.3	15.0	34.0	55.0	90.0	160.0 <sup>c</sup>
North Korea	1.6*	1.8*	4.9*	10.0	10.0	10.0
European Satellites	<b>41.0</b>	<b>69.1</b>	<b>70.5</b>	<b>78.5</b>	<b>90.1</b>	
Albania <sup>d</sup>	0.9*	0.9*	0.9*	1.0*	1.6	3.2 <sup>c</sup>
Bulgaria	0.1* <sup>d</sup>	3.8* <sup>d</sup>	6.1* <sup>d</sup>	9.0	14.0*	28.3*
Czechoslovakia	1.0	5.1	6.6	7.1	7.6 <sup>c</sup>	15.7*
East Germany	27.8	33.3	32.5	36.9	37.9 <sup>c</sup>	45.6
Hungary	N.A.	7.8*	3.0	3.0	3.0	
Poland	10.5*	15.7*	17.4*	17.5*	22.0	28.0*
Rumania	0.7	2.5	4.0	4.0	4.0	16.0 <sup>c</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	185.7*	211.8*	Italy	19.0*	16.2*	Turkey	9.2*	11.7*
Canada	330.6*	378.2*	Netherlands	0.4*	0.5*	UK	195.4*	218.9*
Denmark	0.4*	0.4*	Norway	15.0*	17.1*	West Germany	281.9*	308.7*
France	27.7*	28.5*	Portugal	4.9*	5.1*			

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Chile	259.7*	225.6*	India	7.7*	8.9*	Northern		
Congo	158.5*	N.A.*	Japan	194.0*	248.1*	Rhodesia	370.8*	402.6*

<sup>a</sup> Unless otherwise indicated, data refer to primary and secondary refined copper produced from domestic and foreign ores and scrap. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Greece, Iceland, and Luxembourg.

<sup>c</sup> Estimated production for 1965.

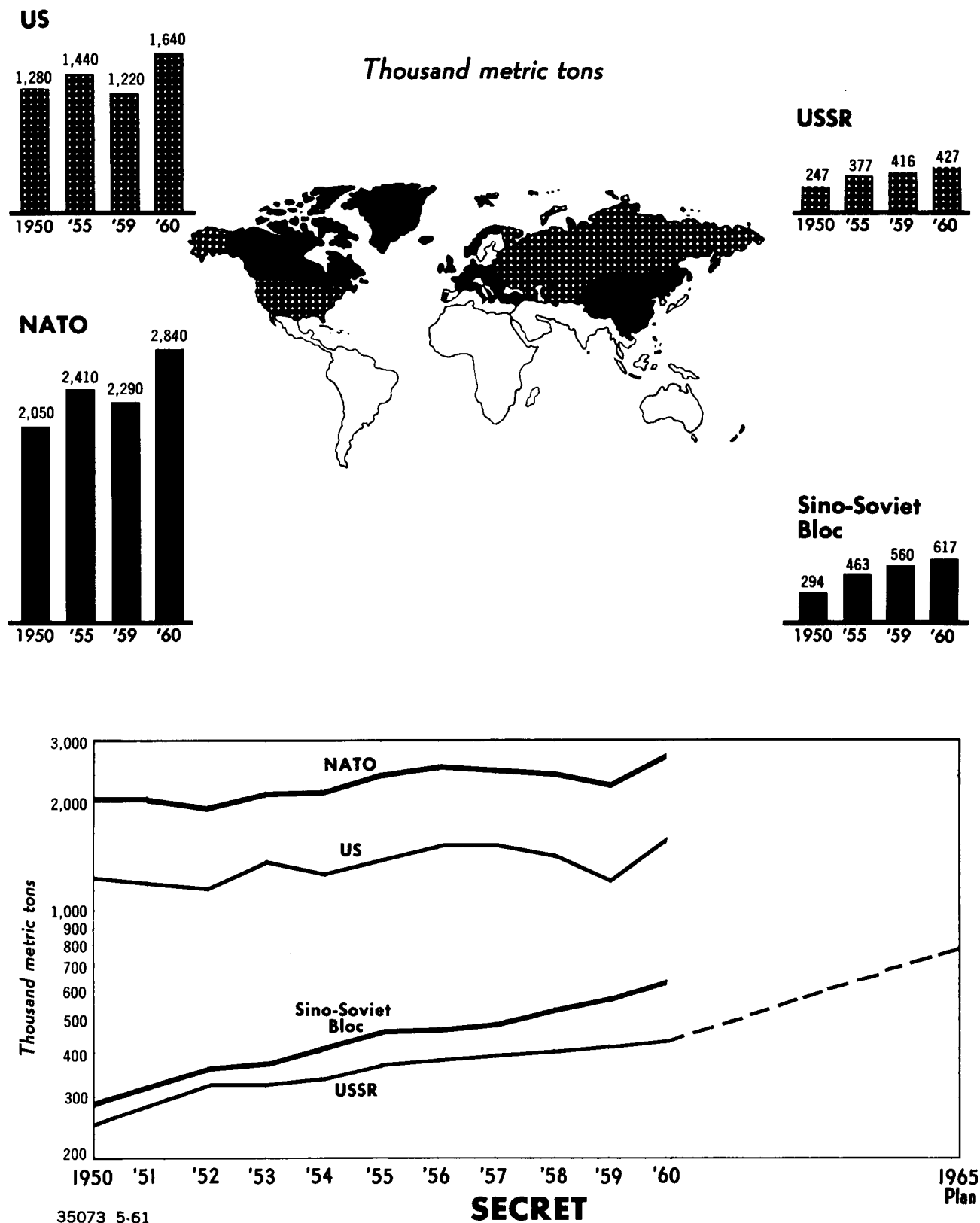
<sup>d</sup> Blister copper.

<sup>e</sup> Plan data.

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Figure 10

# COMPARISON OF PRODUCTION OF REFINED COPPER IN SELECTED AREAS SELECTED YEARS, 1950-1960, AND 1965 PLAN



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MINERALS AND METALS

Table 44

Production of Primary Lead <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>853*</b>	<b>876*</b>	<b>908*</b>	<b>801*</b>	<b>N.A.*</b>	
US.....	461.1*	434.5*	426.5*	309.3*	348.5*	
Sino-Soviet Bloc.....	<b>161</b>	<b>353</b>	<b>451</b>	<b>495</b>	<b>567</b>	
USSR.....	112.0	258.0	288.0	294.0	314.0	404.0 <sup>c</sup>
Communist China.....	2.8	16.0	45.0	70.0	110.0	
North Korea.....	<i>Negl.</i>	9.4	19.0*	23.0	27.0	45.0 <sup>d</sup>
European Satellites.....	<b>46.0</b>	<b>69.3</b>	<b>98.8</b>	<b>108</b>	<b>116</b>	
Bulgaria.....	2.8*	5.1*	26.1*	33.0*	40.0*	93.0*
Czechoslovakia.....	7.6	10.0	13.0	14.0	15.0 <sup>e</sup>	17.5*
East Germany.....	4.8	8.9	9.5	10.6 <sup>f</sup>	10.6	12.0 <sup>e</sup>
Hungary.....	0	0	0.5	0.5	0.5	1.0 <sup>d</sup>
Poland.....	22.2*	34.2*	34.2	34.2	34.2	47.0
Rumania.....	8.6*	11.1*	15.5	15.5	15.5	30.0 <sup>e</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	90.0*	84.0*	Greece.....	3.9*	3.6*	Portugal.....	2.0*	2.0*
Canada.....	120.8*	123.0*	Italy.....	48.0*	45.0*	UK.....	4.1*	3.0*
France.....	70.6*	69.8*	Netherlands.....	8.3*	12.0*	West Germany...	134.3*	149.5*

<sup>a</sup> Unless otherwise indicated, data refer to production of primary lead from domestic and foreign ores and concentrates, excluding all metal produced from scrap. The data as presented above differ from data previously presented in the *Handbook*, inasmuch as the previous series was presented in terms of refined lead and included metal produced from scrap. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Iceland, Luxembourg, Norway, and Turkey.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Plan data.

<sup>f</sup> Including 180 metric tons imported from Algeria.

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## MINERALS AND METALS

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Table 45  
Smelter Production of Primary Tin Metal <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>93.8*</b>	<b>89.3*</b>	<b>66.6*</b>	<b>56.5*</b>	<b>57.5*</b>	
US.....	32.7*	22.7*	5.3*	10.9*	13.5*	
Sino-Soviet Bloc.....	<b>14.3</b>	<b>31.2</b>	<b>48.0</b>	<b>50.1</b>	<b>51.1</b>	
USSR.....	8.1	12.6	16.0	17.0	18.0	23.0 <sup>c</sup>
Communist China.....	6.0	18.0	31.0	32.0	32.0	
North Vietnam.....	0	0	0.2	0.4*	0.4*	
European Satellites.....	<b>0.2</b>	<b>0.6</b>	<b>0.8</b>	<b>0.7</b>	<b>0.7</b>	
East Germany <sup>d</sup> .....	0.2	0.6	0.8	0.7	0.7 <sup>e</sup>	0.9 <sup>f</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium.....	6.0*	8.1*	Portugal.....	1.2*	0.8*	West Germany....	1.0*	0.8*
Netherlands....	9.7*	6.5*	UK <sup>g</sup> .....	27.7*	27.8*			

## Other Countries

Country	1959	1960	Country	1959	1960
Japan.....	1.3*	1.2*	Malaya and Singapore...	46.5*	78.0*

<sup>a</sup> Unless otherwise indicated, data refer to production of primary (virgin) metal and exclude tin derived from scrap or detinning. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Belgium, the Netherlands, Portugal, the UK, the US, and West Germany, and for 1950 and 1955, Canada.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> Tin crude, 99 percent.

<sup>e</sup> Plan data.

<sup>f</sup> Estimated production for 1965.

<sup>g</sup> Including some secondary tin metal.



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Table 46  
Production of Refined Zinc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

						Thousand Metric Tons
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	<b>1,490*</b>	<b>1,830*</b>	<b>1,740*</b>	<b>1,800*</b>	<b>1,850*</b>	
US <sup>c</sup> . . . . .	765.2*	874.1*	751.0*	777.0*	787.1*	
Sino-Soviet Bloc . . . . .	<b>235</b>	<b>409</b>	<b>554</b>	<b>596</b>	<b>688</b>	
USSR . . . . .	111.0	222.0	315.0	321.0	340.0	504.0 <sup>d</sup>
Communist China . . . . .	2.7	13.0	29.0	50.0	90.0	
North Korea . . . . .	4.8*	0*	18.0*	27.0	45.0	65.0 <sup>d</sup>
European Satellites . . . . .	<b>117</b>	<b>174</b>	<b>192</b>	<b>198</b>	<b>213</b>	
Bulgaria . . . . .	0*	1.4*	8.2*	9.0*	16.0	55.0*
Czechoslovakia . . . . .	N.A.	5.7	6.5	6.8	7.0	
East Germany <sup>e</sup> . . . . .	Negl.	3.2	4.0	4.0	3.9	
Hungary . . . . .	N.A.	N.A.	0.4	0.4	0.4	
Poland . . . . .	113.6*	156.2*	162.6*	168.1*	175.5*	225.0* <sup>f</sup>
Rumania . . . . .	3.0	7.4	10.1	10.1	10.1	24.0 <sup>g</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium . . .	224.3*	247.6*	Italy . . . . .	79.1*	84.9*	UK . . . . .	74.1*	75.5*
Canada . . .	230.4*	238.2*	Netherlands . .	32.2*	35.2*	West Germany .	187.9*	191.9*
France . . .	144.8*	146.4*	Norway . . . . .	48.3*	43.6*			

<sup>a</sup> Data refer to production of refined metal from domestic and foreign ores and scrap. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Denmark, Greece, Iceland, Luxembourg, Portugal, and Turkey.

<sup>c</sup> Including production of redistilled zinc by secondary smelters, which is about 30,000 metric tons per year.

<sup>d</sup> Estimated production for 1965.

<sup>e</sup> Except for about 150 to 200 metric tons, annual production consists of zinc produced from scrap.

<sup>f</sup> Midpoint of the range of the plan for 1965 of 220,000 to 230,000 metric tons.

<sup>g</sup> Estimated plan for 1965.

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Table 47  
Production of Cadmium Metal <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	5,280*	6,940*	6,860*	6,880*	7,570*	
US.....	4,168* <sup>c</sup>	4,424*	4,387*	3,902*	4,649*	
Sino-Soviet Bloc.....	680	1,170	1,490	1,540	1,620	
USSR.....	360	730	1,030	1,060	1,120	
European Satellites.....	320	440	458	475	495	
Bulgaria.....	0	<i>Negl.</i>	<i>N.A.</i>	<i>N.A.</i>	<i>N.A.</i>	200*
Poland.....	320	440	458	475	495	

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium...	752*	752*	Italy.....	230*	258*	UK.....	140*	108*
Canada....	1,020*	985*	Netherlands..	40*	41*	West Germany....	420*	406*
France....	246*	256*	Norway.....	129*	111*			

<sup>a</sup> Data refer to production of refined metal from domestic and imported materials. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Denmark, Greece, Iceland, Luxembourg, Portugal, and Turkey, and for 1950, the Netherlands.

<sup>c</sup> Including cadmium compounds. Cadmium compounds are excluded for other years.

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Table 48  
Production of Mercury <sup>a</sup>  
Selected Years, 1950-60

34.5-Kilogram Flask <sup>a</sup>					
Country	1950	1955	1958	1959	1960
NATO <sup>b</sup> .....	<b>57,900*</b>	<b>73,300*</b>	<b>98,300*</b>	<b>78,400*</b>	<b>N.A.*</b>
US.....	4,535*	18,955*	38,067*	31,256*	N.A.*
Sino-Soviet Bloc.....	<b>18,800</b>	<b>48,000</b>	<b>72,000</b>	<b>75,000</b>	<b>78,000</b>
USSR.....	17,000	27,000	27,000	29,000	32,000
Communist China.....	1,000	20,000	44,000	45,000	45,000
European Satellites.....	<b>805</b>	<b>952</b>	<b>950</b>	<b>950</b>	<b>950</b>
Czechoslovakia.....	605	752	750	750	750
Rumania.....	200	200	200	200	200

## NATO Countries

Country	1958	1959	Country	1958	1959
Italy.....	58,712*	45,833*	Turkey.....	1,486*	1,300*

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Japan.....	10,900*	16,051*	Spain.....	55,382*	47,863*	Yugoslavia.....	12,270*	13,344*
Mexico.....	22,560*	16,420*						

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Italy and the US, and for 1955 and 1958-59, Turkey.

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## MINERALS AND METALS

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Table 49  
Production of Primary Magnesium <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	19.4*	79.2*	51.3*	51.1*	N.A.*	
US . . . . .	14.3*	55.5*	27.3*	28.2*	38.8*	
Sino-Soviet Bloc . . . . .	8.7	12.7	18.3	21.5	26.1	
USSR . . . . .	6.0	12.0	18.0	21.0	25.2	54.0 <sup>c</sup>
European Satellites . . . . .	2.7	0.7	0.3	0.5	0.9	
East Germany <sup>d</sup> . . . . .	2.7	0.7	0.3	0.4	0.6 <sup>e</sup>	4.0
Hungary . . . . .	0*	0*	0*	0.1*	0.3*	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada . . . .	6.2*	5.3*	Italy . . . .	4.2*	4.2*	UK <sup>f</sup> . . . . .	2.4*	2.2*
France . . . .	1.7*	1.8*	Norway . . . .	9.3*	9.3*	West Germany <sup>f</sup> .	0.2*	0.2*

## Other Countries

Country	1958	1959
Japan . . . . .	1.0*	1.5*

<sup>a</sup> Unless otherwise indicated, data refer to production of primary (virgin) magnesium (ingots and ingot equivalent of other forms). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Canada, France, Italy, the UK, the US, and except for 1950, Norway and West Germany.

<sup>c</sup> Estimated minimum production for 1965.

<sup>d</sup> Secondary magnesium except plan data for 1965.

<sup>e</sup> Plan data.

<sup>f</sup> Including remelt alloys.

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Table 50  
Production of Sulfur <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>7,390* <sup>c</sup></b>	<b>9,350*</b>	<b>8,810*</b>	<b>9,200*</b>	<b>N.A.*</b>	
US.....	5,675* <sup>c</sup>	6,715*	5,780*	5,856*	N.A.*	
Sino-Soviet Bloc <sup>d</sup> .....	<b>1,300</b>	<b>2,300</b>	<b>3,200</b>	<b>3,420</b>	<b>3,660</b>	
USSR.....	870	1,499	1,872	1,962	2,077	4,250 <sup>e</sup>
Communist China.....	20	160	390	500	600	
North Korea <sup>f</sup> .....	54	11	90	90	99	
European Satellites.....	<b>360</b>	<b>633</b>	<b>850</b>	<b>868</b>	<b>884</b>	
Bulgaria.....	6	27	35	48	47	
Czechoslovakia.....	N.A.	N.A.	154	142	142	
East Germany.....	274	426	451	438	450	
Poland.....	60	130	160	170	170	
Rumania.....	20	50	50	70	75	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	Negl.*	Negl.*	Italy.....	925*	889*	Turkey.....	52*	56*
Canada <sup>g</sup> .....	608*	701*	Netherlands..	21*	20*	UK.....	51*	57*
France.....	275*	556*	Norway.....	431*	395*	West Germany....	302*	270*
Greece.....	75*	91*	Portugal.....	293*	306*			

<sup>a</sup> Unless otherwise indicated, sulfur from all sources, including production of elemental sulfur and sulfur recovered from pyrites. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Denmark, Iceland, and Luxembourg, and for 1950, Belgium and the Netherlands.

<sup>c</sup> Including only sulfur produced in mines and sulfur recovered from pyrites.

<sup>d</sup> All sulfur produced in countries of the Sino-Soviet Bloc, except about 290,000 metric tons in 1959 (smaller quantities in previous years) of native sulfur in the USSR, is from such sources as pyrites, gypsum, waste gases, and kieserite.

<sup>e</sup> Estimated production for 1965.

<sup>f</sup> Sulfur recovered from pyrites as sulfur dioxide, which is converted into sulfuric acid.

<sup>g</sup> Sales.

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Table 51  
Production of Total Grain <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO.....	<b>223*</b>	<b>250*</b>	<b>285*</b>	<b>286*</b>	<b>301*</b>	
US.....	140.68*	147.52*	185.56*	181.96*	193.22*	
Sino-Soviet Bloc.....	<b>260</b>	<b>311</b>	<b>357</b>	<b>318</b>	<b>306</b>	
USSR <sup>b</sup> .....	81.20*	106.80*	130.00	100.00	100.00	172.00* <sup>c</sup>
Communist China <sup>d</sup> .....	138.00	155.90*	179.00	164.00	155.00 <sup>e</sup>	
North Korea <sup>f</sup> .....	2.46 *	2.21	3.46	3.20	3.54	
North Vietnam <sup>h</sup> .....	2.30*	3.79*	4.77*	5.42*	4.67*	
European Satellites.....	<b>35.6</b>	<b>42.3</b>	<b>39.7</b>	<b>45.3</b>	<b>43.0</b>	
Albania.....	0.25*	0.34*	0.29*	0.30	0.24	
Bulgaria.....	2.79	3.53	3.29	3.48	3.71	
Czechoslovakia.....	4.73	5.10	4.83	5.52	5.17	
East Germany.....	5.63	5.40	5.64	5.20	5.50	7.63
Hungary.....	5.50	6.62	5.66	7.34	6.76	
Poland.....	11.58	12.66	13.53	14.12	12.93	15.56*
Rumania.....	5.15	8.62	6.44	9.34	8.64	15.00* <sup>i</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium.....	1.81*	1.77*	Greece.....	2.50*	2.41*	Portugal.....	1.54*	1.24*
Canada.....	23.23*	25.46*	Italy.....	13.99*	12.01*	Turkey.....	11.02*	12.16*
Denmark.....	3.56*	4.23*	Netherlands..	1.47*	1.72*	UK.....	9.15*	9.21*
France.....	21.74*	22.50*	Norway.....	0.45*	0.62*	West Germany....	13.27*	14.14*

<sup>a</sup> Data for NATO include, where produced, barley, corn, oats, rice, rye, sorghum, and wheat. In addition to these items, data for the Sino-Soviet Bloc include, unless otherwise indicated, miscellaneous grains. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including pulse.

<sup>c</sup> Midpoint of the range of planned production for 1965 of 164 million to 180 million metric tons.

<sup>d</sup> Excluding tubers.

<sup>e</sup> Midpoint of the range of estimated production of 150 million to 160 million metric tons.

<sup>f</sup> Excluding tubers and soybeans.

<sup>g</sup> Data for 1949.

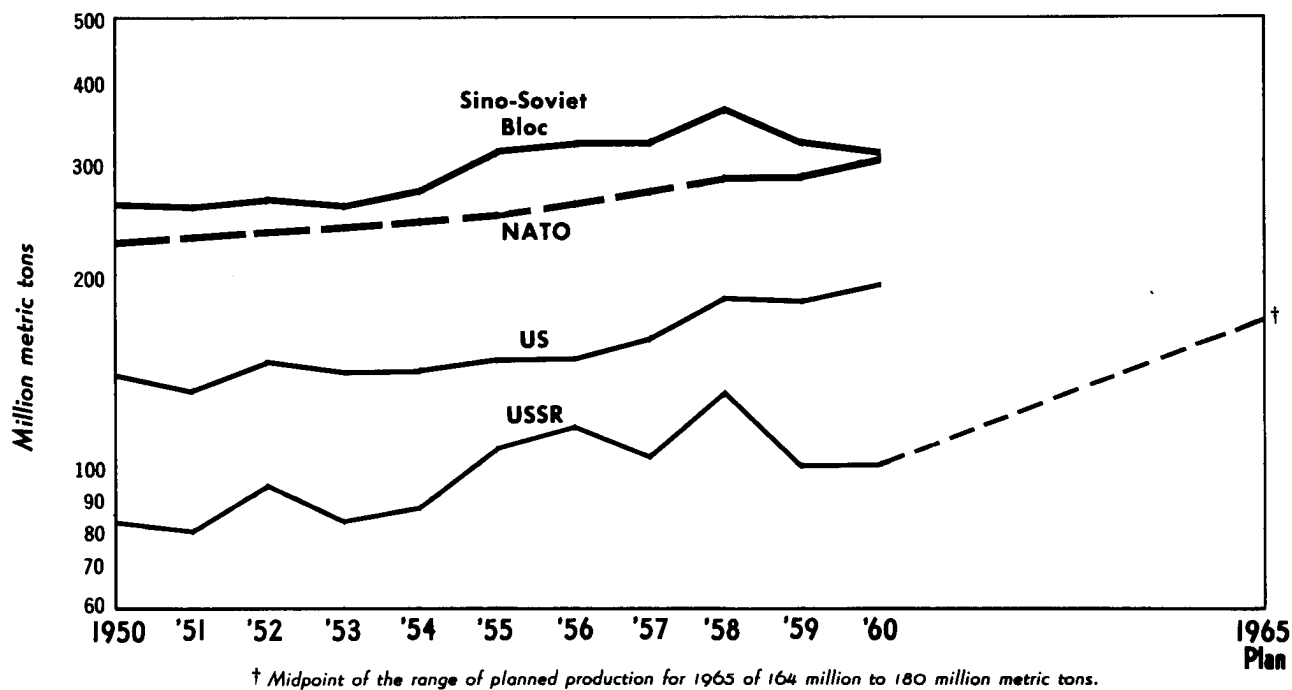
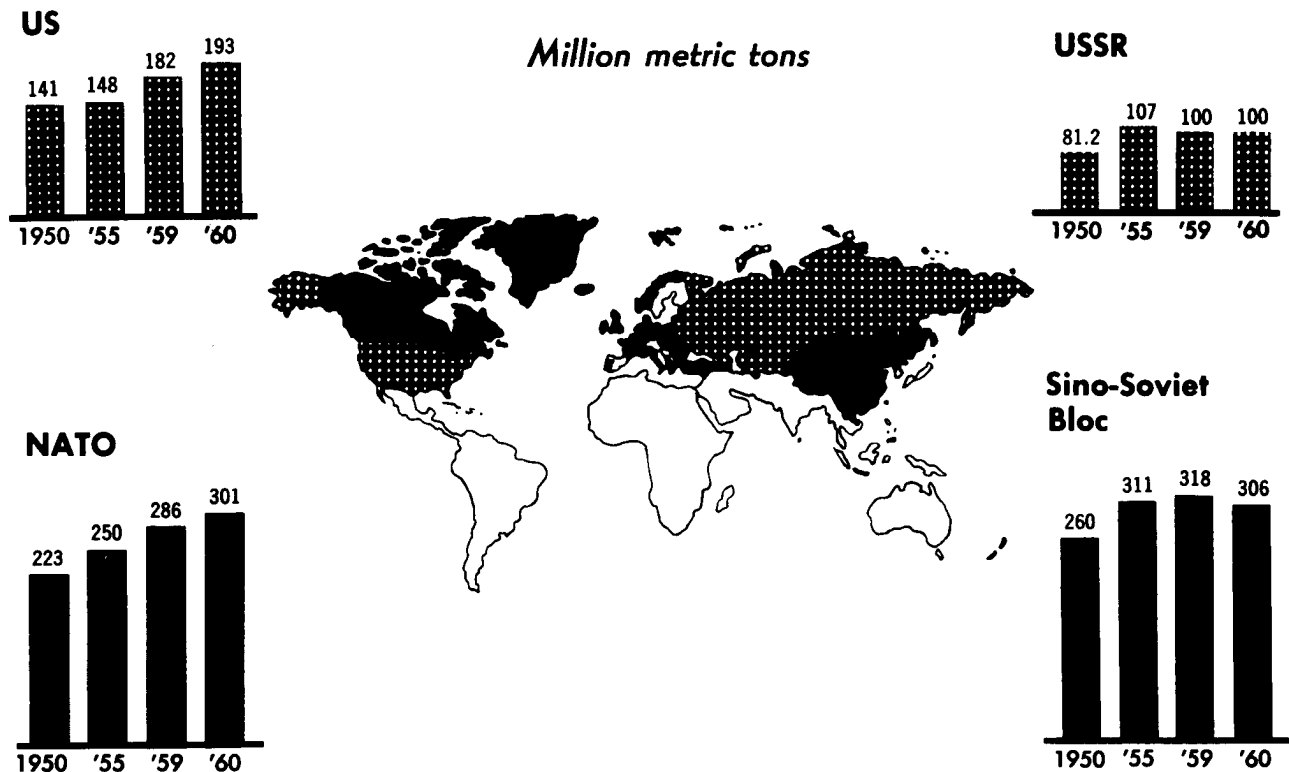
<sup>h</sup> Corn and rice only.

<sup>i</sup> Midpoint of the range of planned production for 1965 of 14 million to 16 million metric tons.

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Figure 11

# COMPARISON OF PRODUCTION OF TOTAL GRAIN IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 52  
Production of Breadgrains <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>74.10*</b>	<b>82.50*</b>	<b>93.60*</b>	<b>86.30*</b>	<b>94.10*</b>	
US	28.28*	26.18*	40.60*	31.25*	38.03*	
Sino-Soviet Bloc	<b>91.8</b>	<b>109</b>	<b>135</b>	<b>119</b>	<b>102</b>	
USSR	49.10*	63.80*	84.00	66.00	59.00	
Communist China <sup>c</sup>	21.00	23.00*	29.00*	28.00	20.00	
North Korea <sup>c</sup>	N.A.	0.10	0.07	N.A.	N.A.	
European Satellites	<b>21.8</b>	<b>22.5</b>	<b>22.3</b>	<b>24.8</b>	<b>22.6</b>	
Albania	0.10*	0.13*	0.11*	0.11*	0.10	
Bulgaria	1.81	1.77	2.06	1.81	1.94	
Czechoslovakia	2.58*	2.44*	2.28*	2.62*	2.12	
East Germany	3.63*	3.14	3.34	3.19	3.20	
Hungary	2.85*	2.68*	1.86*	2.35*	2.12*	
Poland	8.38*	9.13*	9.65*	10.59*	9.19	
Rumania	2.40*	3.22*	3.04*	4.13*	3.92	5.2* <sup>d</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	0.99*	0.95*	Greece	1.80*	1.69*	Portugal	0.80*	0.56*
Canada	11.46*	13.58*	Italy	8.57*	6.90*	Turkey	6.63*	7.67*
Denmark	0.65*	0.76*	Netherlands	0.88*	1.05*	UK	2.84*	2.99*
France	12.04*	11.31*	Norway	0.02*	0.03*	West Germany	8.39*	8.74*

<sup>a</sup> Unless otherwise indicated, only wheat and rye are included. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland and Luxembourg.

<sup>c</sup> Excluding rye.

<sup>d</sup> Midpoint of the range of planned production for 1965 of 5.0 million to 5.4 million metric tons.

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Table 53  
Production of Other Grains <sup>a</sup>  
Selected Years, 1950-60

Million Metric Tons					
Country	1950	1955	1958	1959	1960
NATO <sup>b</sup> . . . . .	<b>140.45*</b>	<b>157.00*</b>	<b>172.30*</b>	<b>180.86*</b>	<b>186.77*</b>
US <sup>b</sup> . . . . .	104.75*	112.60*	127.45*	133.42*	136.63*
Sino-Soviet Bloc . . . . .	<b>100</b>	<b>119</b>	<b>114</b>	<b>101</b>	<b>106</b>
USSR <sup>c</sup> . . . . .	32.10	43.00	46.00	34.00	41.00
Communist China <sup>d</sup> . . . . .	53.00	54.90*	51.00	46.00	45.00
North Korea <sup>e</sup> . . . . .	1.58 <sup>f</sup>	1.23	N.A.	N.A.	N.A.
North Vietnam <sup>g</sup> . . . . .	0.06	0.19*	0.20*	0.23*	0.20*
European Satellites . . . . .	<b>13.8</b>	<b>19.6</b>	<b>17.2</b>	<b>20.4</b>	<b>20.2</b>
Albania . . . . .	0.15*	0.20*	0.18*	0.18	0.13
Bulgaria . . . . .	0.95	1.71	1.19	1.67	1.76
Czechoslovakia <sup>b</sup> . . . . .	2.14*	2.66*	2.55*	2.90*	3.05
East Germany <sup>b</sup> . . . . .	2.00*	2.26	2.30	2.01	2.30
Hungary . . . . .	2.60	3.91	3.78	4.92	4.59
Poland <sup>b</sup> . . . . .	3.21*	3.53*	3.88*	3.53*	3.74
Rumania . . . . .	2.71*	5.36	3.37	5.16	4.66

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium . . .	0.83*	0.83*	Greece . . . . .	0.64*	0.67*	Portugal . . . . .	0.58*	0.52*
Canada . . .	11.77*	11.87*	Italy . . . . .	4.71*	4.48*	Turkey . . . . .	4.25*	4.34*
Denmark . . .	2.91*	3.47*	Netherlands . .	0.59*	0.67*	UK . . . . .	6.30*	6.22*
France . . .	9.57*	11.08*	Norway . . . . .	0.43*	0.60*	West Germany .	4.88*	5.40*

<sup>a</sup> Unless otherwise indicated, data include barley, buckwheat, corn, millet, mixed grains, and oats. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including only barley, corn, and oats.

<sup>c</sup> In addition to grains listed in footnote <sup>a</sup>, above, including pulse and rice. Production data for 1955 and 1958 60 include ensiled immature ears of corn converted to a dry grain equivalent.

<sup>d</sup> Also including kaoliang, broad beans, and field peas.

<sup>e</sup> Excluding rice and wheat.

<sup>f</sup> Data for 1949.

<sup>g</sup> Corn only.

<sup>h</sup> Including only barley and oats.

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Table 54  
Production of Rice <sup>a</sup>  
Selected Years, 1950-60

Country	Thousand Metric Tons				
	1950	1955	1958	1959	1960
NATO <sup>b</sup>	<b>2,770*</b>	<b>3,830*</b>	<b>3,240*</b>	<b>3,620*</b> <sup>c</sup>	<b>3,560*</b> <sup>c</sup>
US	1,755*	2,536*	2,013*	2,410* <sup>c</sup>	2,459* <sup>c</sup>
Sino-Soviet Bloc	<b>67,800</b>	<b>83,200*</b>	<b>106,000</b>	<b>97,200</b>	<b>96,700</b>
USSR	202*	246*	216*	214*	215
Communist China	64,000	78,000*	99,000*	90,000	90,000
North Korea	1,250	1,242*	1,809	1,663	1,860
North Vietnam	2,238	3,604*	4,575*	5,194*	4,470*
European Satellites	<b>127*</b>	<b>134*</b>	<b>160*</b>	<b>162</b>	<b>163</b>
Albania	3*	10*	5*	5	4
Bulgaria	38*	49*	45*	43	44
Hungary	50*	40*	73*	59*	60
Rumania	36*	35*	37*	55*	55

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
France	135*	113*	Italy	712*	635*	Turkey	136*	143*
Greece	67*	52*	Portugal	162*	162*			

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
India <sup>c</sup>	44,900*	45,800*	Japan	15,626*	16,239*	Pakistan <sup>c</sup>	14,432*	13,744*
Indonesia	12,474*	N.A.*						

<sup>a</sup> Rough or paddy rice. Data apply to the beginning of the crop year—for example, data for 1959 are equivalent to data for 1959/60. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including France, Greece, Italy, Portugal, Turkey, and the US.

<sup>c</sup> Estimated from planted acreage.

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Table 55  
Production of Potatoes \*  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	79.8*	78.3*	78.7*	76.7*	84.8*	
US . . . . .	11.70*	11.53*	13.49*	12.35*	12.85*	
Sino-Soviet Bloc . . . . .	209	200	278	248	263	
USSR . . . . .	88.61*	71.75*	86.53*	86.56*	84.00*	147.00*
Communist China <sup>c</sup> . . . . .	60.00	75.60*	132.00	104.00	120.00	
North Korea . . . . .	N.A.	0.62*	0.80*	N.A.	N.A.	
North Vietnam <sup>d</sup> . . . . .	0.15*	0.53*	0.54*	0.71*	0.56*	
European Satellites . . . . .	60.5	51.1	57.9	57.0	58.1	
Albania . . . . .	0.03*	0.03*	0.02*	0.02	0.02	
Bulgaria . . . . .	0.15*	0.36*	0.25*	0.42*	0.44	
Czechoslovakia . . . . .	8.16*	7.90*	6.59*	6.33*	5.25*	
East Germany . . . . .	13.10	11.20	11.50	11.50	13.00	
Hungary . . . . .	1.35*	2.47*	2.60*	2.37*	2.75	
Poland . . . . .	36.13*	27.02*	34.76*	34.02	34.37	41.85*
Rumania . . . . .	1.60*	2.09	2.22	2.32	2.30	4.75* <sup>e</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium <sup>f</sup> . . . . .	1.77*	1.87*	Greece . . . . .	0.53*	0.47*	Portugal . . . . .	0.90*	1.12*
Canada . . . . .	1.85*	2.22*	Italy . . . . .	4.43*	4.35*	UK . . . . .	7.76*	7.95*
Denmark . . . . .	1.94*	2.24*	Netherlands . . . . .	3.71*	4.48*	West Germany . . . . .	25.41*	27.75*
France . . . . .	14.81*	18.04*	Norway . . . . .	1.21*	1.50*			

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland and Turkey.

<sup>c</sup> Including sweet and Irish potatoes and other starchy tubers such as taros and cassava.

<sup>d</sup> Sweet potatoes only.

<sup>e</sup> Midpoint of the range of planned production for 1965 of 4.5 million to 5.0 million metric tons.

<sup>f</sup> Including Luxembourg for all years except 1959.

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Table 56  
Production of Vegetable Oils <sup>a</sup> in the US and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	2,456.1*	3,099.3*	3,471.6*	4,060.3*	4,223.9*	
Sino-Soviet Bloc.....	<b>1,940</b>	<b>2,640</b>	<b>2,970</b>	<b>3,720</b>	<b>3,610</b>	
USSR.....	819.0*	1,168.0*	1,465.0*	1,866.0*	1,560.0	1,975.0* <sup>c</sup>
Communist China.....	847.0	1,165.0*	1,250.0*	1,460.0*	1,700.0* <sup>d</sup>	
North Korea.....	N.A.	N.A.	N.A.	30.0* <sup>d</sup>	N.A.	
North Vietnam.....	2.3 <sup>e</sup>	N.A.	N.A.	N.A.	N.A.	
European Satellites.....	<b>270</b>	<b>308</b>	<b>252</b>	<b>366</b>	<b>345</b>	
Albania.....	1.5	3.6	4.5	4.5	4.2	
Bulgaria.....	29.4*	48.5*	68.6*	85.4*	78.6*	
Czechoslovakia.....	13.0	12.0	13.1 <sup>f</sup>	16.8 <sup>f</sup>	13.7 <sup>f</sup>	
East Germany.....	57.2	72.2	44.0	66.0	69.0	
Hungary.....	54.5	50.7	29.5	34.5	30.4	
Poland.....	54.1	54.5	23.0	38.6	31.2	46.7 <sup>g</sup>
Rumania.....	60.0	66.8	68.9	120.5	118.0	

<sup>a</sup> Production of edible oils from indigenous raw materials. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including castor, coconut, corn, cottonseed, linseed, peanut, soybean, and tung oils.

<sup>c</sup> Planned production from state resources of raw materials. In 1958 this production was 84 percent of the total production.

<sup>d</sup> Plan data.

<sup>e</sup> Including peanut, cottonseed, sesame, and castor oils.

<sup>f</sup> Extracted from rape and mustard seed.

<sup>g</sup> Estimated production for 1965.

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Table 57  
Production of Ginned Cotton <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>2,330*</b>	<b>3,410*</b>	<b>2,760*</b>	<b>3,420*</b>	<b>3,370*</b>	
US	2,179.9*	3,205.2*	2,506.5*	3,169.7*	3,115.5*	
Sino-Soviet Bloc	<b>1,910</b>	<b>2,820*</b>	<b>3,600</b>	<b>3,700</b>	<b>3,300</b>	
USSR	1,180.0*	1,290.0*	1,460.0*	1,560.0*	1,470.0*	1,965* <sup>c</sup>
Communist China	710.0	1,500.0*	2,100.0*	2,100.0	1,800.0	
North Korea	N.A.	N.A.	18.0	20.0* <sup>d</sup>	N.A.	
North Vietnam	N.A.	1.0*	1.8*	2.0*	1.3*	
European Satellites	<b>21.9*</b>	<b>31.2*</b>	<b>22.4*</b>	<b>22.8*</b>	<b>27.9</b>	
Albania	2.3*	4.1*	5.7*	4.9*	5.0	
Bulgaria	10.6*	20.4*	15.1*	16.8*	21.9*	
Rumania	9.0*	6.7*	1.6*	1.1*	1.0	

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Greece	57.0*	70.3*	Italy	11.5*	10.9*	Turkey	185.1*	174.2*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Argentina	90.4*	108.9*	Egypt	457.2*	469.4*	Mexico	368.0*	435.5*
Brazil	370.1*	402.8*	India	718.5*	903.6*	Pakistan	297.2*	299.4*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Greece, Italy, Turkey, and the US. The stated year refers to the crop year beginning on 1 August. The conversion factor for Free World data is as follows: 1 bale of cotton equals 480 pounds (net weight).

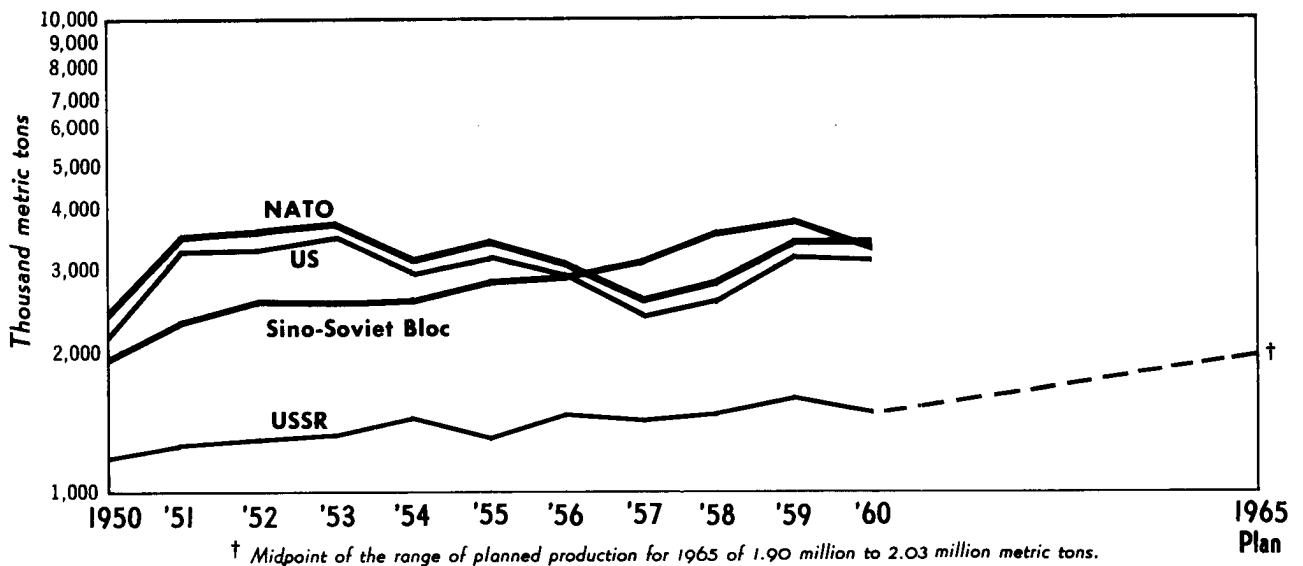
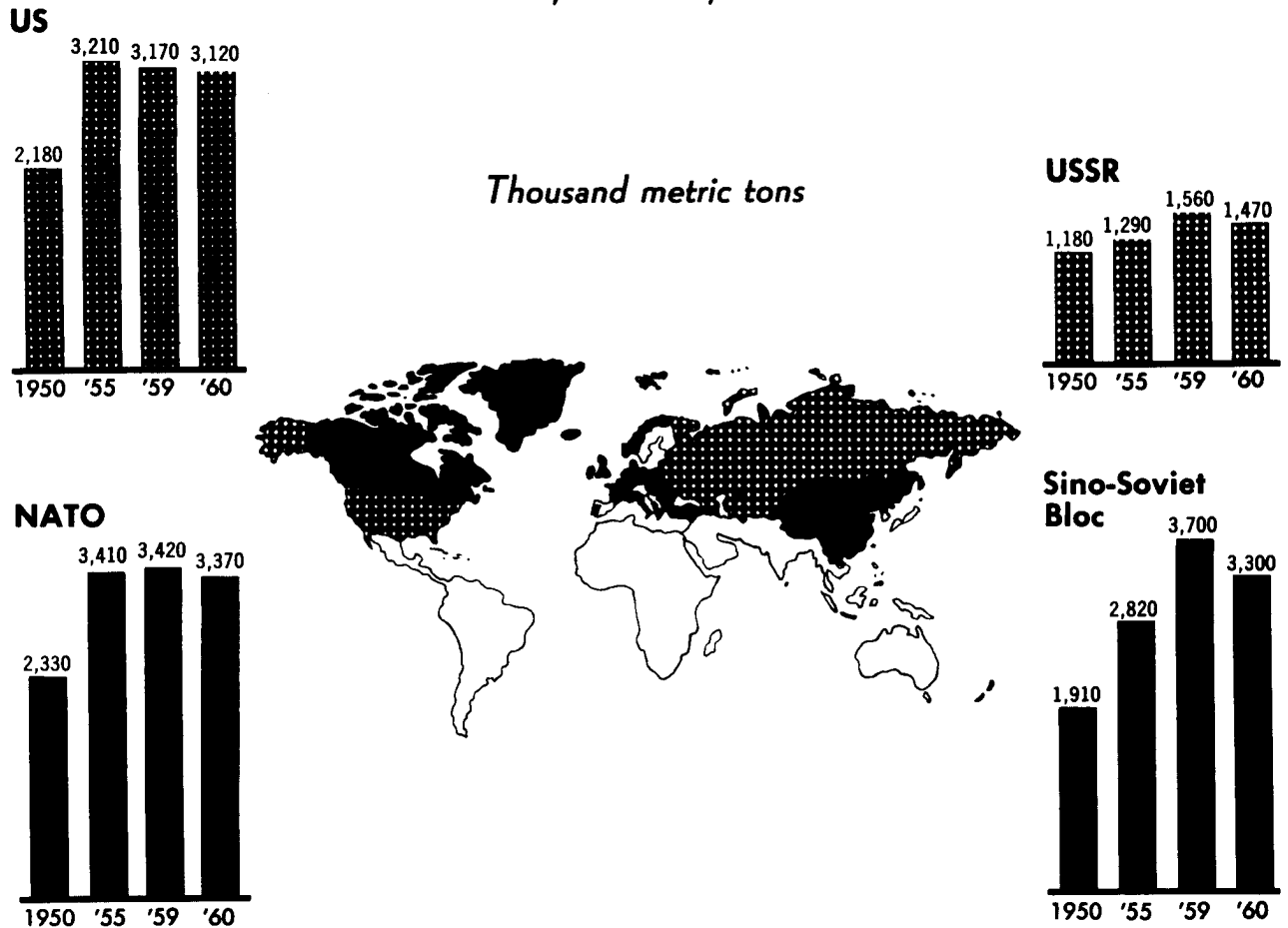
<sup>c</sup> Midpoint of the range of planned production for 1965 of 1.90 million to 2.03 million metric tons.

<sup>d</sup> Plan data.

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Figure 12

# COMPARISON OF PRODUCTION OF GINNED COTTON IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 58  
Production of Wool \*  
Selected Years, 1950-60, and 1965 Plan

Selected Years, 1950-55, and 1955 Plan					Thousand Metric Tons	
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>250*</b>	<b>296*</b>	<b>301*</b>	<b>321*</b>	<b>322*</b>	
US <sup>c</sup> .....	112.4*	138.2*	132.9*	143.3*	145.1*	
Sino-Soviet Bloc.....	<b>256</b>	<b>364</b>	<b>442</b>	<b>483</b>	<b>N.A.</b>	
USSR.....	180.0*	256.0*	322.0*	355.0*	360.0	548*
Communist China.....	29.6	45.0	54.2	57.9	N.A.	
North Korea.....	N.A.	N.A.	N.A.	0.2* <sup>d</sup>	N.A.	
European Satellites.....	<b>45.9</b>	<b>63.2</b>	<b>65.4</b>	<b>70.3</b>	<b>71.8</b>	
Albania.....	2.2	2.6	2.3	2.3	2.3	
Bulgaria.....	13.8*	14.4*	16.5*	19.3*	20.3*	
Czechoslovakia.....	1.4	2.9	2.7	2.5	2.2	
East Germany.....	2.9	7.1*	8.0*	8.3*	8.1	
Hungary.....	4.4*	5.7*	7.3*	7.7	8.1	
Poland.....	4.4*	9.8*	9.0*	9.2*	8.8	
Rumania.....	16.8	20.7*	19.6*	21.0*	22.0	37*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada	3.8*	3.8*	Netherlands	1.7* <sup>e</sup>	N.A.*	Turkey	38.0*	40.0*
France	29.9*	30.3*	Norway	3.6*	3.6*	UK	58.1*	55.8*
Greece	10.9*	10.9*	Portugal	11.0*	11.0*	West Germany	5.5*	5.3*
Italy	15.6*	15.8*						

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Argentina	192.0*	185.5*	New Zealand	261.7*	267.6*	Uruguay	72.0*	81.6*
Australia	766.0*	748.4*	Union of South Africa	135.4*	131.5*			

\* Data refer to production of raw wool (grease basis) from sheep and include both shorn and pulled wool together with the wool element of "wooled sheepskins." A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Belgium, Denmark, Iceland, Luxembourg, and for 1960, the Netherlands.

<sup>c</sup> "Pulled wool" converted to grease basis at the rate of 1.7 to 1.

<sup>d</sup> Plan data.

<sup>e</sup> Data for 1958.

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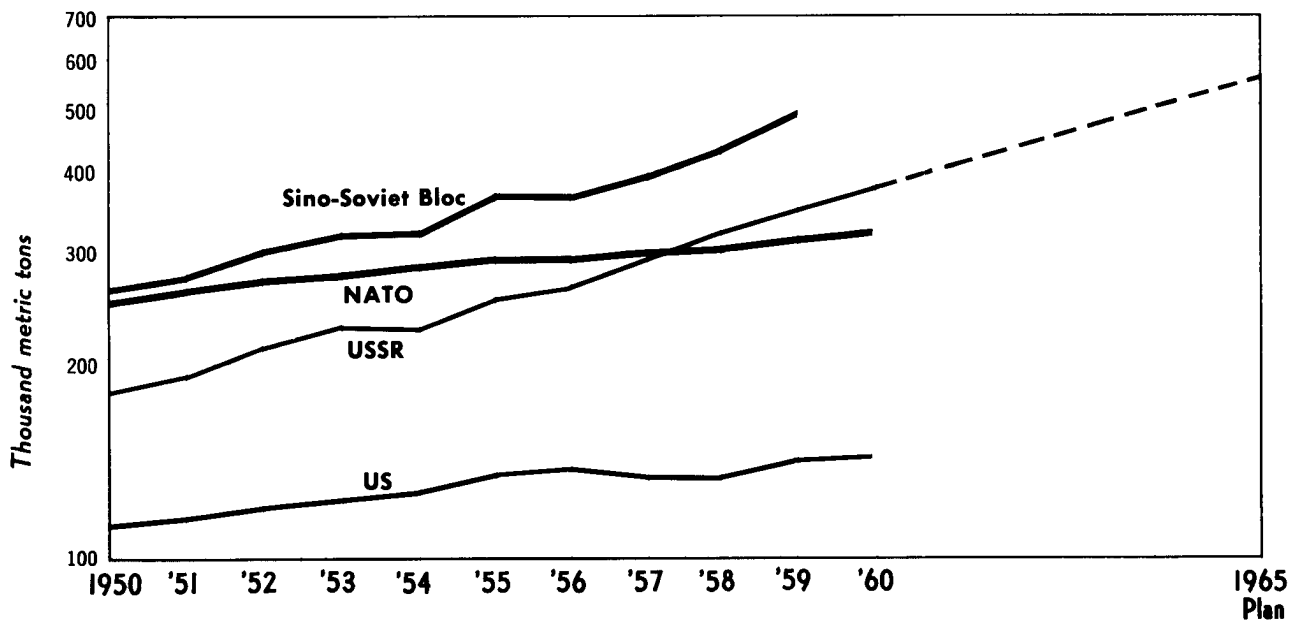
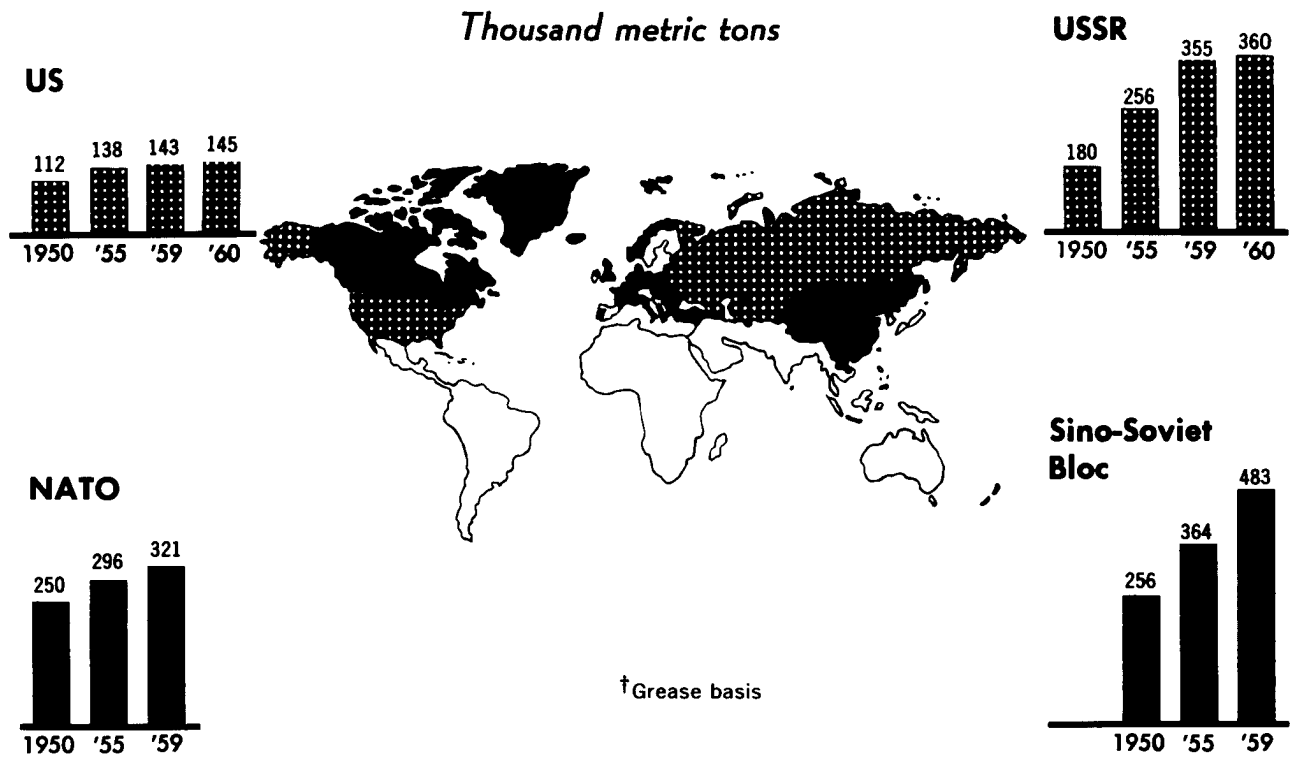
( B L A N K )



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Figure 13

# COMPARISON OF PRODUCTION OF WOOL<sup>†</sup> IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 59  
Number of Cattle <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	152*	177*	177*	182*	186*	
US <sup>c</sup> .....	77.96*	96.59*	93.52*	96.82*	101.52*	
Sino-Soviet Bloc.....	127	149	159*	165	N.A.	
USSR.....	58.10*	56.70*	66.77*	70.84*	74.23*	109.00*
Communist China <sup>d</sup> .....	43.94* <sup>e f</sup>	66.00* <sup>f</sup>	64.90* <sup>g</sup>	65.40* <sup>g</sup>	N.A.	
North Korea.....	0.97	N.A.	0.67*	0.71*	0.68	
North Vietnam.....	N.A.	1.84*	2.38*	2.52*	2.29*	
European Satellites.....	23.7	24.5*	24.7*	25.2	25.8	
Albania <sup>d g</sup> .....	0.43*	0.43*	0.43*	0.42	0.41	
Bulgaria.....	1.68*	1.61*	1.44*	1.36*	1.28	
Czechoslovakia.....	4.21*	4.04*	4.09*	4.18*	4.30*	4.80*
East Germany <sup>h</sup> .....	3.62*	3.76*	4.14*	4.46*	4.68* <sup>i</sup>	5.03*
Hungary <sup>j</sup> .....	2.22*	2.13*	1.94*	2.00*	1.97*	2.27*
Poland <sup>k</sup> .....	7.20*	7.91*	8.21*	8.35*	8.70*	10.50*
Rumania.....	4.38	4.63*	4.47*	4.39*	4.45*	5.80*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium <sup>l</sup> .....	2.61*	N.A.*	Greece <sup>d</sup> .....	1.11*	1.12*	Turkey.....	13.65*	13.48*
Canada <sup>m</sup> .....	10.11*	10.49*	Italy <sup>d</sup> .....	8.99*	9.20*	UK.....	11.00*	11.49*
Denmark <sup>n</sup> .....	3.22*	3.31*	Netherlands..	3.02*	3.16*	West Germany <sup>o</sup> ..	12.13*	12.46*
France.....	18.40*	18.67*	Norway.....	1.06*	1.06*			

## Other Countries

Country	1959	1960	Country	1959	1960		1959	1960
Argentina.....	40.00*	41.00*	Brazil.....	81.42*	N.A.*	World Total.....	990.24*	1,007.66*
Australia.....	16.28*	15.50*						

<sup>a</sup> Unless otherwise indicated, data refer to the inventory at the beginning of the calendar year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland and Portugal, and for 1960, Belgium and Luxembourg.

<sup>c</sup> Including Hawaii for all years except 1950 and 1955.

<sup>d</sup> Including buffaloes.

<sup>e</sup> Data for 1949.

<sup>f</sup> As of midyear.

<sup>g</sup> As of the end of the year.

<sup>h</sup> Unless otherwise indicated, as of 3 December.

<sup>i</sup> As of November.

<sup>j</sup> As of 1 March.

<sup>k</sup> As of 30 June.

<sup>l</sup> Including Luxembourg.

<sup>m</sup> Excluding Newfoundland.

<sup>n</sup> Including the Faroe Islands and Greenland.

<sup>o</sup> Including West Berlin and the Saar.

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Table 60  
Number of Hogs <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Head						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>95.4*</b>	<b>97.3*</b> <sup>c</sup>	<b>101*</b>	<b>107*</b>	<b>108*</b>	
US	58.85*	50.47*	51.04* <sup>d</sup>	56.98* <sup>d</sup>	58.46*	
Sino-Soviet Bloc	<b>115</b>	<b>158*</b>	<b>245*</b>	<b>272*</b>	<b>N.A.</b>	
USSR	22.20*	30.90*	44.34*	48.68*	53.44*	
Communist China <sup>e</sup>	64.01	87.92*	160.00*	180.00*	<b>N.A.</b>	
North Korea	0.93*	0.70*	1.44*	1.61*	1.35*	
North Vietnam	0.14	2.17*	3.97*	4.23*	3.59*	
European Satellites	<b>28.0</b>	<b>36.3*</b>	<b>35.6*</b>	<b>37.2*</b>	<b>38.9*</b>	
Albania <sup>f</sup>	0.05*	0.09*	0.11*	0.12*	0.12*	
Bulgaria	1.04*	1.32*	1.99*	2.05*	2.26*	
Czechoslovakia	4.22*	4.77*	5.44*	5.28*	5.69*	5.51*
East Germany <sup>g</sup>	5.70*	9.03*	7.50*	8.28*	8.58* <sup>h</sup>	8.73*
Hungary	5.54*	5.82*	5.34*	6.22*	5.36*	6.99*
Poland <sup>i</sup>	9.35*	10.89*	11.96*	11.21*	12.62*	15.50*
Rumania	2.11	4.37*	3.25*	4.01*	4.30*	7.50*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada <sup>j</sup>	6.88*	6.42*	Greece	0.63*	0.64*	Norway	0.36*	0.40*
Denmark <sup>k</sup>	5.56*	6.20*	Italy	3.84*	4.18*	UK	6.70*	6.02*
France	8.43*	8.30*	Netherlands	2.55*	2.94*	West Germany <sup>l</sup>	14.74*	14.86*

<sup>a</sup> Unless otherwise indicated, data refer to the inventory at the beginning of the calendar year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland, Portugal, and Turkey, and for 1959-60, Belgium and Luxembourg.

<sup>c</sup> Including some official statistics that may underestimate the actual inventory.

<sup>d</sup> Including Hawaii.

<sup>e</sup> The number of hogs that can be accounted for vary from 72 to 85 percent of the official numbers for 1950 and 1955. The numbers for 1958-60 vary from 30 to 40 percent. Data refer to the inventory for midyear for 1950 and 1955 and for the end of the year for 1958-60.

<sup>f</sup> As of the end of the year.

<sup>g</sup> Unless otherwise indicated, as of 3 December.

<sup>h</sup> As of November.

<sup>i</sup> As of 30 June.

<sup>j</sup> Excluding Newfoundland.

<sup>k</sup> Excluding the Faroe Islands and Greenland.

<sup>l</sup> Including West Berlin and the Saar.

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Table 61  
Number of Sheep in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Head					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	26.18*	27.14*	27.33*	28.50*	29.48*	
Sino-Soviet Bloc.....	<b>163</b>	<b>227</b>	<b>268*</b>	<b>282*</b>	<b>N.A.</b>	
USSR <sup>c</sup> .....	93.60*	113.00*	130.10*	139.20*	144.00*	189.00*
Communist China <sup>d</sup> .....	42.35* <sup>e f</sup>	84.20* <sup>f</sup>	108.89* <sup>g</sup>	112.50* <sup>g</sup>	N.A.	
North Korea <sup>d g</sup> .....	0.01	N.A.	0.14	0.18*	0.18	
European Satellites.....	<b>26.6</b>	<b>29.3*</b>	<b>28.7*</b>	<b>29.8*</b>	<b>30.5*</b>	
Albania <sup>g</sup> .....	1.71*	1.73*	1.66*	1.65*	1.66*	
Bulgaria.....	8.85*	7.80*	7.74*	8.62*	8.77*	
Czechoslovakia.....	0.53*	1.02*	0.89*	0.82*	0.73*	0.60*
East Germany <sup>h</sup> .....	1.08*	1.81*	2.11*	2.12*	2.06* <sup>i</sup>	2.60*
Hungary <sup>j</sup> .....	1.05*	1.86*	2.05*	2.16*	2.38*	2.45*
Poland <sup>k</sup> .....	2.20*	4.24*	3.88*	3.78*	3.66*	3.90*
Rumania.....	11.20	10.88*	10.37*	10.66*	11.20*	13.00*

<sup>a</sup> Unless otherwise indicated, data refer to the inventory at the beginning of the calendar year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Stock sheep only.

<sup>c</sup> Including goats for all years, except for the 1965 Plan.

<sup>d</sup> Including goats.

<sup>e</sup> Data for 1949.

<sup>f</sup> As of midyear.

<sup>g</sup> As of the end of the year.

<sup>h</sup> Unless otherwise indicated, as of 3 December.

<sup>i</sup> As of September.

<sup>j</sup> As of 1 March.

<sup>k</sup> As of 30 June.

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Table 62  
Land Utilization <sup>a</sup>

Country	Total Area <sup>c</sup>	Arable Land <sup>d</sup>	Thousand Hectares <sup>b</sup>
			Arable Land as a Percent of the Total Area
NATO			
US <sup>e</sup> .....	936,340*	188,446*	20*
Other NATO countries			
Belgium.....	3,051*	998*	33*
Canada.....	997,438*	40,600*	4*
Denmark.....	4,304*	2,778*	65*
France.....	55,121*	21,436* <sup>f</sup>	39*
Greece.....	13,256*	3,530*	27*
Iceland.....	10,300*	1*	<i>Negl.</i> *
Italy.....	30,123*	15,854*	53*
Luxembourg.....	259*	78*	30*
Netherlands.....	3,245* <sup>g</sup>	1,036*	32*
Norway.....	32,392*	839*	3*
Portugal.....	8,883*	4,130* <sup>h</sup>	46*
Turkey.....	77,698*	24,684*	32*
UK <sup>i</sup> .....	24,402*	7,088*	29*
West Germany.....	24,692*	8,678*	35*
Sino-Soviet Bloc			
USSR.....	2,233,300*	233,500*	10*
Communist China.....	956,100*	107,300*	11*
North Korea.....	12,386*	2,378*	19*
Albania.....	2,875*	420*	15*
Bulgaria.....	11,093*	4,877*	44*
Czechoslovakia.....	12,786*	5,392*	42*
East Germany.....	10,799*	5,151*	48*
Hungary.....	9,302*	5,754*	62*
Poland.....	31,173*	16,223*	52*
Rumania.....	23,750*	9,840*	41*
Other Countries			
Argentina <sup>j</sup> .....	277,841*	30,000*	11*
India <sup>k</sup> .....	328,888*	160,006*	49*
Mexico.....	196,927*	19,928*	10*
Spain <sup>l</sup> .....	50,461*	20,727*	41*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> One hectare equals 2.471 acres.

<sup>c</sup> Total area refers to the total area of the country, including bodies of inland water. For the most part, data are for the period 1956-60.

<sup>d</sup> Arable land (including fallow) and land under tree crops include land planted to crops (with double-cropped areas being counted only once); land temporarily fallow; temporary meadows for mowing or pasture; garden land; and area under fruit trees, vines, fruit-bearing shrubs, and rubber plantations.

<sup>e</sup> Including Alaska and Hawaii.

<sup>f</sup> Including areas of fishponds.

<sup>g</sup> Land area only.

<sup>h</sup> Total agricultural area.

<sup>i</sup> Data refer to land belonging to agricultural holdings exceeding 1 acre (0.405 hectare) in the UK and 0.25 acre (0.101 hectare) in Northern Ireland.

<sup>j</sup> Continental sector only.

<sup>k</sup> Including the whole of Kashmir.

<sup>l</sup> Including the Balearic and Canary Islands.

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Table 63  
Production of Industrial Wood <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Cubic Meters					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>357*</b>	<b>416*</b>	<b>383*</b>	<b>416*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	231.0*	267.6*	242.5*	272.0*	N.A.*	
Sino-Soviet Bloc.....	<b>211</b>	<b>285</b>	<b>338</b>	<b>363</b>	<b>364</b>	
USSR.....	161.0*	212.0*	251.0*	269.0*	270.0*	331.0*
Communist China <sup>d</sup> .....	6.6*	20.9*	35.0*	41.0*	47.0* <sup>e</sup>	
North Korea.....	1.8	2.0	3.2*	3.9*	N.A.	
North Vietnam.....	0.1	0.4*	0.5*	0.6*	0.7*	
European Satellites.....	<b>41.2</b>	<b>49.5</b>	<b>48.7</b>	<b>48.4</b>	<b>46.6</b>	
Albania.....	0.2*	0.4	0.5	0.5	0.5	
Bulgaria.....	2.0	3.1*	2.9*	3.4*	3.6	
Czechoslovakia.....	8.5*	11.2*	11.5*	11.1*	9.4*	
East Germany.....	9.5*	8.3*	7.5*	6.9*	6.6	
Hungary.....	0.9	1.0*	1.2*	1.2	1.2	
Poland.....	11.3	16.4	14.5*	13.5*	13.3	11.8
Rumania.....	8.8*	9.1*	10.6*	11.8	12.0	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	1.8*	1.8*	Italy <sup>h</sup> .....	4.9*	4.7*	Portugal <sup>k</sup> .....	2.6*	2.6*
Canada.....	73.4*	78.8*	Luxembourg <sup>f</sup> .....	0.1*	0.1*	Turkey.....	2.2*	1.8*
Denmark <sup>f</sup> .....	1.3*	1.3*	Netherlands.....	0.6*	0.7*	UK.....	2.7*	2.7*
France.....	22.7*	21.4*	Norway <sup>i,j</sup> .....	7.7*	7.0*	West Germany <sup>f</sup> .....	19.7*	21.3*
Greece.....	0.5* <sup>k</sup>	0.3*						

## Other Countries

Country	1958	1959	Country	1958	1959
Japan <sup>h</sup> .....	42.8*	47.1*	Sweden <sup>i</sup> .....	35.9*	32.5*

<sup>a</sup> Industrial wood is that wood which is not destined to be burned as fuel. This category includes such primary wood products as saw logs, pit props, and pulpwood and such finished wood products as sawn wood, plywood, and veneers. Unless otherwise indicated, data are for the calendar year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland.

<sup>c</sup> Including Alaska.

<sup>d</sup> Excluding Tibet.

<sup>e</sup> Plan data.

<sup>f</sup> Data are for years ending 30 September.

<sup>g</sup> Data for 1957.

<sup>h</sup> Data are for years ending 31 March.

<sup>i</sup> Data are for years ending 30 June.

<sup>j</sup> Excluding rural consumption.

<sup>k</sup> Excluding the Azores and Madeira.

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## AGRICULTURE AND PROCESSED FOODS

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Table 64  
Production of Meat <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	17,800*	22,700*	23,000*	23,900*	N.A.*	
US.....	10,015*	12,200*	11,679*	12,461*	12,200*	
Sino-Soviet Bloc.....	9,780	12,700	14,300	14,900	14,400	
USSR <sup>c</sup> .....	3,300	4,300	5,200	6,100	5,900	11,000
Communist China <sup>d</sup> .....	4,000	5,600	5,800	5,600	5,200	
North Korea.....	N.A.	N.A.	N.A.	62 <sup>e</sup>	65	
North Vietnam.....	25	N.A.	N.A.	N.A.	N.A.	
European Satellites.....	2,450	2,840	3,290	3,150	3,200	
Albania.....	7	14	14	14	14	
Bulgaria.....	134	155	226	224	204	
Czechoslovakia.....	414	402	466	471	484	
East Germany.....	475	667	707	685	719	
Hungary.....	338	311	320	315	290	
Poland <sup>f</sup> .....	858	894	1,180	1,040	1,060	2,855* <sup>g</sup>
Rumania.....	225	392	377	397	427	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium <sup>h</sup> ..	449*	463*	Greece.....	126*	129*	Portugal.....	183*	177*
Canada....	1,070*	1,161*	Italy.....	956*	1,036*	Turkey.....	179*	N.A.*
Denmark..	707*	751*	Netherlands..	588*	603*	UK.....	1,765*	1,727*
France....	2,478*	2,632*	Norway.....	113*	116*	West Germany..	2,684*	2,686*

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Argentina..	2,893*	2,101*	Brazil.....	1,905*	1,939*	New Zealand...	680*	710*
Australia..	1,416*	1,488*	Mexico.....	670*	653*			

<sup>a</sup> Unless otherwise indicated, meat is on the basis of carcass weight, bone-in, and includes beef, veal, pork, mutton, lamb, goat, carabao, and horse meat where produced but excludes edible offal, lard, and rabbit and poultry meat. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland; for 1950 and 1955, Luxembourg; and for 1950 and 1959, Turkey.

<sup>c</sup> Also including slaughter fats and poultry. To exclude offals and meat produced by animals other than those listed above and to reduce the overestimate of production from privately owned livestock, official data have been reduced by 32 percent.

<sup>d</sup> Including poultry.

<sup>e</sup> Plan data.

<sup>f</sup> Including edible offal.

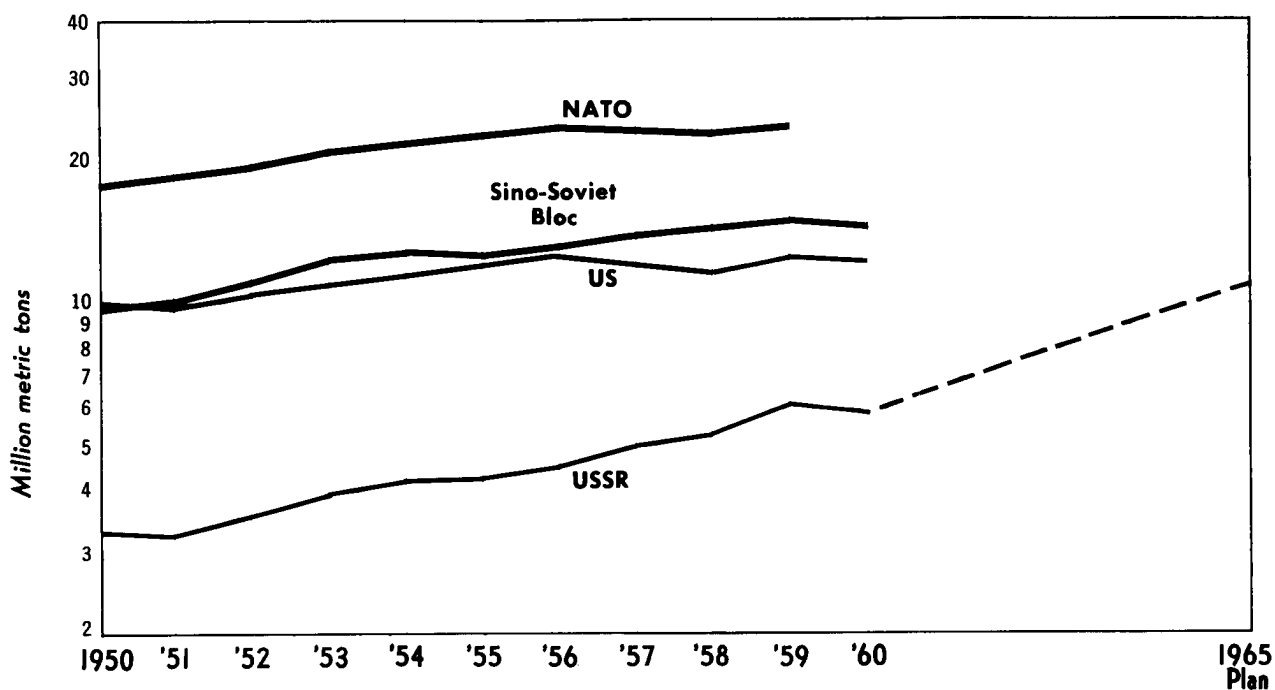
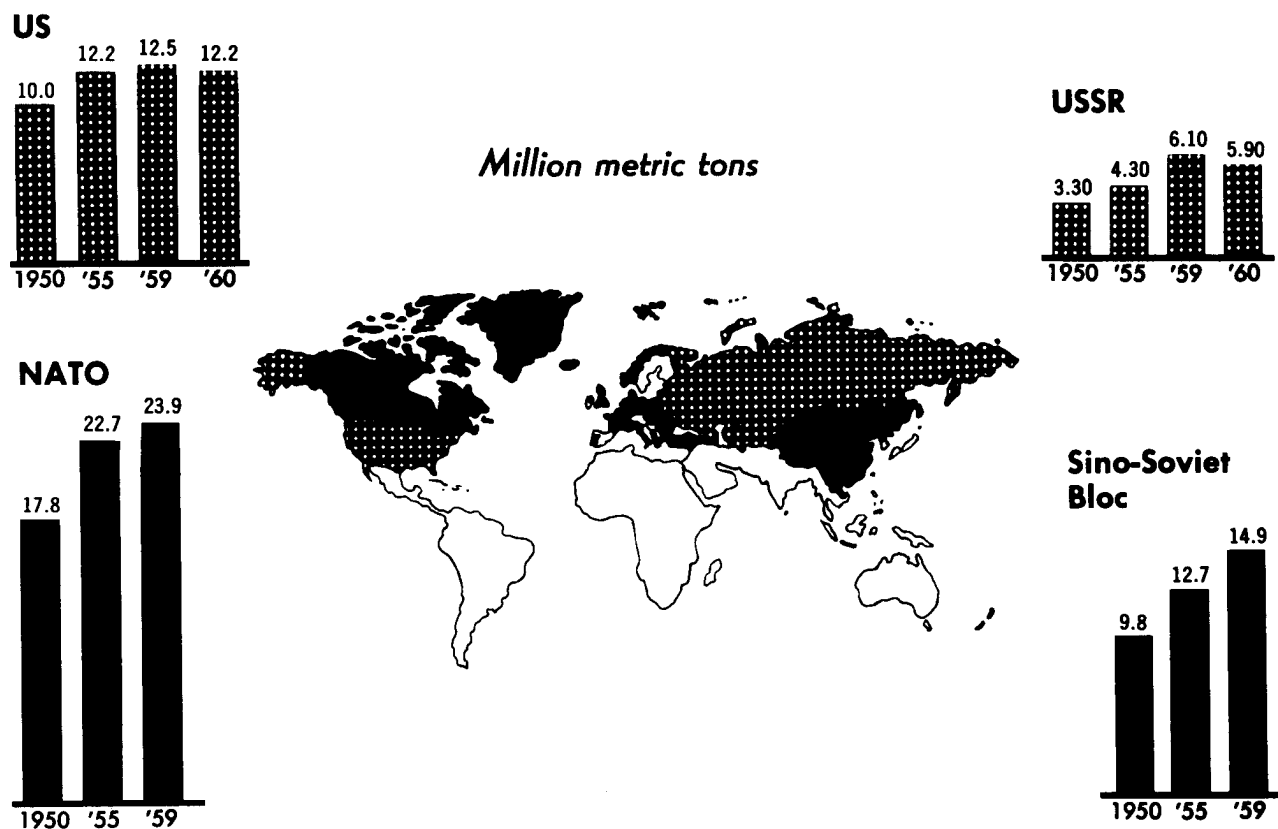
<sup>g</sup> Live-weight basis.

<sup>h</sup> Including Luxembourg.

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Figure 14

## COMPARISON OF PRODUCTION OF MEAT IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 65  
Fish Catch \*  
Selected Years, 1950-60, and 1965 Plan

					Thousand Metric Tons	
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	<b>8,690*</b>	<b>10,100*</b>	<b>9,810*</b>	<b>10,300*</b>	<b>N.A.*</b>	
US <sup>c</sup> . . . . .	2,589.6*	2,790.4*	2,708.7*	2,897.2*	N.A.*	
Sino-Soviet Bloc <sup>d</sup> . . . . .	<b>2,980</b>	<b>5,890</b>	<b>8,110*</b>	<b>9,330</b>	<b>10,500</b>	
USSR . . . . .	1,755.0*	2,737.0*	2,931.0*	3,000.0*	3,500.0*	4,600*
Communist China . . . . .	911.0*	2,518.0*	4,060.0*	5,000.0*	5,800.0* <sup>e</sup>	
North Korea . . . . .	192.0*	312.0*	682.0*	855.0 <sup>e</sup>	690.0* <sup>e</sup>	
North Vietnam . . . . .	N.A.	94.0*	156.0*	167.0*	177.0*	
European Satellites . . . . .	<b>121</b>	<b>226</b>	<b>284*</b>	<b>306</b>	<b>326</b>	
Albania . . . . .	N.A.	2.6	4.1*	4.5*	4.5	
Bulgaria . . . . .	4.7*	4.5*	5.3*	5.2*	5.2	
Czechoslovakia . . . . .	N.A.	6.3*	8.1*	7.0	7.0	
East Germany . . . . .	34.0	69.0*	93.0*	105.5*	110.0	
Hungary . . . . .	4.5	9.5	13.0*	14.4*	15.0	
Poland <sup>f</sup> . . . . .	66.2	107.1*	127.0*	145.9*	158.9*	300*
Rumania . . . . .	11.3*	27.5*	33.8*	23.3	25.0	

## NATO Countries

Country . . . . .	1958	1959	Country	1958	1959	Country	1958	1959
Belgium . . . . .	64.3*	57.5*	Iceland . . . . .	580.4*	639.9*	Portugal <sup>k</sup> . . . . .	455.5*	427.4*
Canada . . . . .	1,000.7*	1,050.6*	Italy <sup>l</sup> . . . . .	209.3*	213.4*	Turkey . . . . .	101.3*	96.7*
Denmark <sup>m</sup> . . . . .	598.1*	673.7*	Netherlands . . . . .	313.8*	319.6*	UK <sup>l</sup> . . . . .	999.0*	988.9*
France <sup>n</sup> . . . . .	519.7*	511.0*	Norway <sup>i</sup> . . . . .	1,438.8*	1,607.2*	West Germany . . . . .	743.1*	767.2*
Greece . . . . .	80.0*	82.0*						

## Other Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
India . . . . .	1,064.4*	822.8*	Peru . . . . .	930.2*	2,000.0*	Spain . . . . .	844.9*	N.A.*
Japan . . . . .	5,505.0*	5,875.0*						

\* Data refer to live weight in NATO and other Free World countries and landed weight in the Sino-Soviet Bloc countries and include seaweed, crustaceans, and mollusks but not aquatic mammals. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Luxembourg. The total for 1950 includes data for 1951 for Turkey.

<sup>c</sup> Including Alaska and Hawaii but excluding Puerto Rico.

<sup>d</sup> Including aquatic mammals.

<sup>e</sup> Plan data.

<sup>f</sup> Sea fish catch.

<sup>m</sup> Excluding the Faroe Islands and Greenland.

<sup>n</sup> Including Algeria and Monaco.

<sup>i</sup> Including river fish, subsistence catch, and the estimated illegal catch.

<sup>j</sup> Including Svalbard.

<sup>k</sup> Including the Azores and Madeira.

<sup>l</sup> Including England and Wales, Scotland, and Northern Ireland.

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Table 66  
Production of Milk <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>124,000*</b>	<b>135,000*</b>	<b>142,000*</b>	<b>142,000*</b>	<b>147,000*</b>	
US.....	53,343*	55,850*	56,806*	56,425*	57,152*	
Sino-Soviet Bloc.....	<b>48,400</b>	<b>59,700</b>	<b>77,200</b>	<b>81,100</b>	<b>80,800</b>	
USSR <sup>c</sup> .....	31,100	37,800	51,700	54,600	54,100	90,000 <sup>d</sup>
European Satellites.....	<b>17,300</b>	<b>21,900</b>	<b>25,500</b>	<b>26,500</b>	<b>26,700</b>	
Albania.....	34	34	40	38	38	
Bulgaria.....	282*	382*	594*	671*	720*	
Czechoslovakia.....	3,271*	3,521*	3,764*	3,771*	3,832*	
East Germany.....	2,877*	4,962*	5,656*	5,826*	5,700	
Hungary.....	1,445*	1,525*	1,949*	2,085*	2,050	
Poland.....	7,760*	9,615*	11,514*	11,944*	11,900*	15,250*
Rumania.....	1,592	1,830*	2,006*	2,203*	2,453	

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium...	3,810*	3,887*	Greece.....	334*	342*	Norway.....	1,770*	1,819*
Canada....	8,252*	8,618*	Italy.....	9,026*	9,435*	UK.....	11,624*	12,292*
Denmark..	5,416*	5,452*	Luxembourg..	204*	209*	West Germany.	18,441*	19,178*
France....	20,095*	22,156*	Netherlands..	6,441*	6,700*			

<sup>a</sup> Whole milk from cows. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland, Portugal, and Turkey.

<sup>c</sup> To exclude milk produced by animals other than cows and to reduce the overestimate of production from privately owned cows, official data have been reduced by 12 percent.

<sup>d</sup> Midpoint of the range of planned production for 1965 of 88 million to 92 million metric tons.

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AGRICULTURE AND PROCESSED FOODS

Table 67  
Production of Sugar <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	<b>7,720*</b>	<b>9,430*</b>	<b>10,700*</b>	<b>9,830*</b>	<b>11,700*</b>	
US <sup>c</sup> . . . . .	2,337*	3,096*	3,406*	3,492*	3,783*	
Sino-Soviet Bloc . . . . .	<b>5,650</b>	<b>7,180</b>	<b>9,990</b>	<b>10,400*</b>	<b>12,000</b>	
USSR . . . . .	2,523*	3,419*	5,433*	6,009*	6,400*	9,625* <sup>d</sup>
Communist China <sup>e</sup> . . . . .	242*	717*	900*	1,130*	1,300* <sup>f</sup>	
North Vietnam . . . . .	28	6	N.A.	13*	14*	
European Satellites . . . . .	<b>2,860*</b>	<b>3,040*</b>	<b>3,660*</b>	<b>3,200*</b>	<b>4,320</b>	
Albania . . . . .	1*	8*	10*	12*	11	
Bulgaria . . . . .	41*	69*	164*	144*	190*	
Czechoslovakia . . . . .	779*	732*	951*	803*	979*	
East Germany . . . . .	680*	720*	810*	633*	850*	
Hungary . . . . .	199*	276*	299*	350*	412*	
Poland . . . . .	1,061*	1,090*	1,217*	994*	1,533*	1,650*
Rumania . . . . .	96*	143*	207*	266*	340	506*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium . . .	219*	449*	France . . . . .	1,054*	2,174*	Turkey . . . . .	543*	653*
Canada . . . .	137*	127*	Italy . . . . .	1,401*	953*	UK . . . . .	855*	847*
Denmark . . .	247*	327*	Netherlands . . . .	499*	635*	West Germany <sup>g</sup>	1,387*	1,710*

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia <sup>h</sup> . .	1,271*	1,343*	India <sup>e</sup> . . . . .	3,001*	3,261*	Taiwan <sup>e</sup> . . . . .	787*	898*
Cuba <sup>e</sup> . . . . .	5,862*	5,262*	Philippines <sup>e</sup> . . . .	1,388*	1,417*			

<sup>a</sup> Unless otherwise indicated, beet sugar. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 90 percent of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Greece, Iceland, Norway, Portugal, and for 1959-60, Luxembourg. Stated years are for crop years. Generally the harvest season begins in the fall months of the stated year or in the early months of the year following, except in the Southern Hemisphere, where the season begins in May or June of the stated year.

<sup>c</sup> Including cane sugar. Including production for Hawaii for all years except 1950.

<sup>d</sup> Midpoint of the range of planned production of sugar from sugar beets for 1965 of 9.25 million to 10.0 million metric tons. In 1958, production from sugar beets was 97 percent of the total production.

<sup>e</sup> Including cane sugar.

<sup>f</sup> Plan data.

<sup>g</sup> Including sugar from imported beets.

<sup>h</sup> Cane sugar only.

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## AGRICULTURE AND PROCESSED FOODS

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Table 68  
Daily Availability of Food Per Capita <sup>a</sup>  
1958/59 <sup>b</sup>

Calories per Day Per Capita	
Country	Amount
NATO.....	2,430 to 3,350*
US.....	3,100*
Other NATO Countries	
Belgium <sup>c</sup> .....	2,930*
Canada.....	3,100*
Denmark.....	3,350*
France.....	2,950*
Greece <sup>d</sup> .....	2,650*
Italy.....	2,650*
Netherlands.....	2,940*
Norway.....	3,080*
Portugal.....	2,430*
Turkey <sup>d</sup> .....	2,890*
UK.....	3,260*
West Germany.....	2,990*
Sino-Soviet Bloc.....	1,950 to 3,200
USSR.....	3,200
Communist China.....	2,000
European Satellites.....	1,950 to 3,200
Albania.....	1,950
Bulgaria.....	2,650
Czechoslovakia.....	3,040
East Germany.....	2,900
Hungary.....	2,950
Poland.....	3,200
Rumania.....	2,710

<sup>a</sup> Daily caloric availability of food should be considered as a rough approximation because of the lack of information on the utilization of food by most countries. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data for the US and Portugal are for the calendar year; for other NATO countries, unless otherwise indicated, for 1958/59; for Communist China, for 1957/58; and for other Sino-Soviet Bloc countries, for 1958/59.

<sup>c</sup> Including Luxembourg.

<sup>d</sup> Data are for 1957/58.

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MANUFACTURED ITEMS

Table 69  
Production of Cotton Yarn <sup>a</sup>  
Selected Years, 1950-60

Thousand Metric Tons					
Country	1950	1955	1958	1959	1960
NATO <sup>b</sup>	<b>3,330*</b>	<b>3,200*</b>	<b>3,010*</b>	<b>3,170*</b>	<b>3,190*</b>
US	1,823.0*	1,711.0*	1,533.0*	1,692.0*	1,644.0*
Sino-Soviet Bloc	<b>1,300</b>	<b>2,140*</b>	<b>2,620*</b>	<b>3,110</b>	<b>N.A.</b>
USSR	662.5*	1,038.1*	1,062.8*	1,124.0*	N.A.
Communist China	437.0*	720.0*	1,107.0*	1,497.0*	1,500.0
North Korea	N.A.	6.7*	16.9*	20.9	24.2
North Vietnam	1.2	0.1*	8.7*	9.8*	10.4*
European Satellites	<b>194</b>	<b>378*</b>	<b>423*</b>	<b>454*</b>	<b>475</b>
Bulgaria	16.4*	30.2*	36.3*	46.8*	48.2
Czechoslovakia	N.A.	76.2*	94.5*	98.2*	102.0
East Germany	24.0*	63.1*	64.2*	66.9*	70.0
Hungary	32.8*	47.2*	46.4*	48.0*	52.8
Poland	92.1*	115.3*	134.6*	146.2*	153.0
Rumania	29.2*	45.6*	47.1*	48.2*	49.0

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	97.5*	104.2*	Greece	20.0*	27.7*	Portugal <sup>d</sup>	38.6*	51.5*
Canada	62.7*	59.8*	Italy	175.8*	196.3*	Turkey	47.0*	27.4* <sup>e</sup>
Denmark	7.5*	N.A.*	Netherlands	70.5*	76.3*	UK	275.0*	268.7*
France <sup>e</sup>	281.5*	313.0*	Norway	2.7*	2.8*	West Germany <sup>e</sup>	398.2*	421.0*

## Other Countries

Country	1959	1960	Country	1959	1960
India	781.2*	783.4*	Japan	475.2*	551.4*

\* Unless otherwise indicated, data for the Free World refer to the total production of cotton yarn including mixed yarn. In fact, for many countries, data refer to production of yarn (of all origin) in the cotton industry. Data for the Sino-Soviet Bloc refer to the total factory production. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland and Luxembourg, and for 1960, Denmark.

<sup>c</sup> Including yarn of synthetic and artificial fibers produced in the cotton industry.

<sup>d</sup> Excluding mixed yarn.

<sup>e</sup> Government production only.

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## MANUFACTURED ITEMS

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Table 70  
Production of Woolen Yarn in NATO, the USSR, and Communist China <sup>a</sup>  
Selected Years, 1950-60

Country	Thousand Metric Tons				
	1950	1955	1958	1959	1960
NATO <sup>b</sup> .....	1,070*	1,050*	994*	1,120*	1,120*
US.....	367.0*	318.0*	294.0*	347.0*	313.7*
USSR.....	101.6*	167.5*	201.2*	212.4*	N.A.
Communist China.....	1.2*	3.7*	8.3* <sup>c</sup>	N.A.	N.A.

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium <sup>d</sup> ....	46.5*	50.8*	Italy.....	166.7*	194.1*	Turkey.....	8.2*	4.3* <sup>e,f</sup>
Denmark.....	5.4*	N.A.*	Netherlands....	30.0*	23.9*	UK <sup>f</sup> .....	247.3*	248.4*
France.....	136.3*	143.1*	Norway.....	8.3*	7.6*	West Germany..	112.8*	117.5*
Greece.....	4.2*	5.0*	Portugal.....	11.0*	7.6*			

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Australia....	18.5*	23.8*	Japan.....	115.9*	133.8*	Yugoslavia....	17.4*	20.6*
India <sup>f</sup> .....	13.0*	13.6*						

<sup>a</sup> Data for the Free World refer to the total production of yarns in the wool industry. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland; for 1958-60, Canada; and for 1960, Denmark.

<sup>c</sup> Plan data.

<sup>d</sup> Including Luxembourg.

<sup>e</sup> Government production only.

<sup>f</sup> Excluding mixed yarn.

Table 71  
Production of Rayon Yarn and Synthetic Fibers <sup>a</sup> in the US and the USSR  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
US.....	626.6*	743.8*	685.8*	822.9*	N.A.* <sup>b</sup>	
USSR.....	24.2*	110.5*	166.6*	179.4*	211.0*	666*

<sup>a</sup> Data include rayon yarn and staple and synthetic fibers. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> In 1960, production only of rayon yarn and staple was 439,200 metric tons. In 1959, production of rayon yarn and staple was 60.5 percent of the total production of rayon yarn and synthetic fibers.

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Table 72  
 Production of Leather Footwear <sup>a</sup> in the US and the USSR  
 Selected Years, 1950-60, and 1965 Plan

Country	Million Pairs					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> . . . . .	464.5*	514.5*	515.1*	561.3*	528.1*	
USSR . . . . .	203.0*	271.2*	356.4*	389.5*	418.0*	515*

<sup>a</sup> Data refer to the total production of footwear with leather or mainly leather uppers and exclude slippers, rubber footwear, and footwear with fabric uppers. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> All footwear except slippers.

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## MANUFACTURED ITEMS

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Table 73  
Production of Sulfuric Acid <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

						Thousand Metric Tons
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	20,000*	25,900*	27,300*	29,500*	N.A.*	
US. . . . .	11,820*	14,747*	14,470*	15,973*	16,166*	
Sino-Soviet Bloc. . . . .	3,280	5,880*	7,820*	8,650	9,500	
USSR. . . . .	2,125*	3,798*	4,803*	5,082*	5,396*	11,000 <sup>c</sup>
Communist China. . . . .	49*	375*	740*	1,050*	1,300	
North Korea. . . . .	165	28*	234*	250	300	
European Satellites. . . . .	937	1,680*	2,040*	2,270*	2,500*	
Albania. . . . .	0	0	0	0	0	70*
Bulgaria. . . . .	0*	19*	64*	91*	123*	
Czechoslovakia. . . . .	252*	383*	463*	513*	553*	1,000*
East Germany. . . . .	280	592*	650*	689*	730*	1,231*
Hungary. . . . .	68*	144*	148*	168*	185	400 <sup>d</sup>
Poland. . . . .	285*	450*	572*	610*	685*	1,245*
Rumania. . . . .	52*	92*	144*	199*	226*	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium. . .	1,087*	1,227*	Greece. . . . .	110*	120*	Portugal. . . . .	271*	319*
Canada. . .	1,356*	1,460*	Italy. . . . .	2,031*	2,053*	Turkey. . . . .	20*	22*
Denmark. . .	184*	187*	Netherlands. . .	747*	814*	UK. . . . .	2,278*	2,466*
France. . .	1,786*	1,826*	Norway. . . . .	82*	99*	West Germany. .	2,918*	2,938*

<sup>a</sup> Data refer to production expressed in terms of pure (monohydrate) sulfuric acid (100 percent H<sub>2</sub>SO<sub>4</sub>). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland and Luxembourg. Including quantities not commercialized but used on the spot for production of other products.

<sup>c</sup> Estimated plan for 1965.

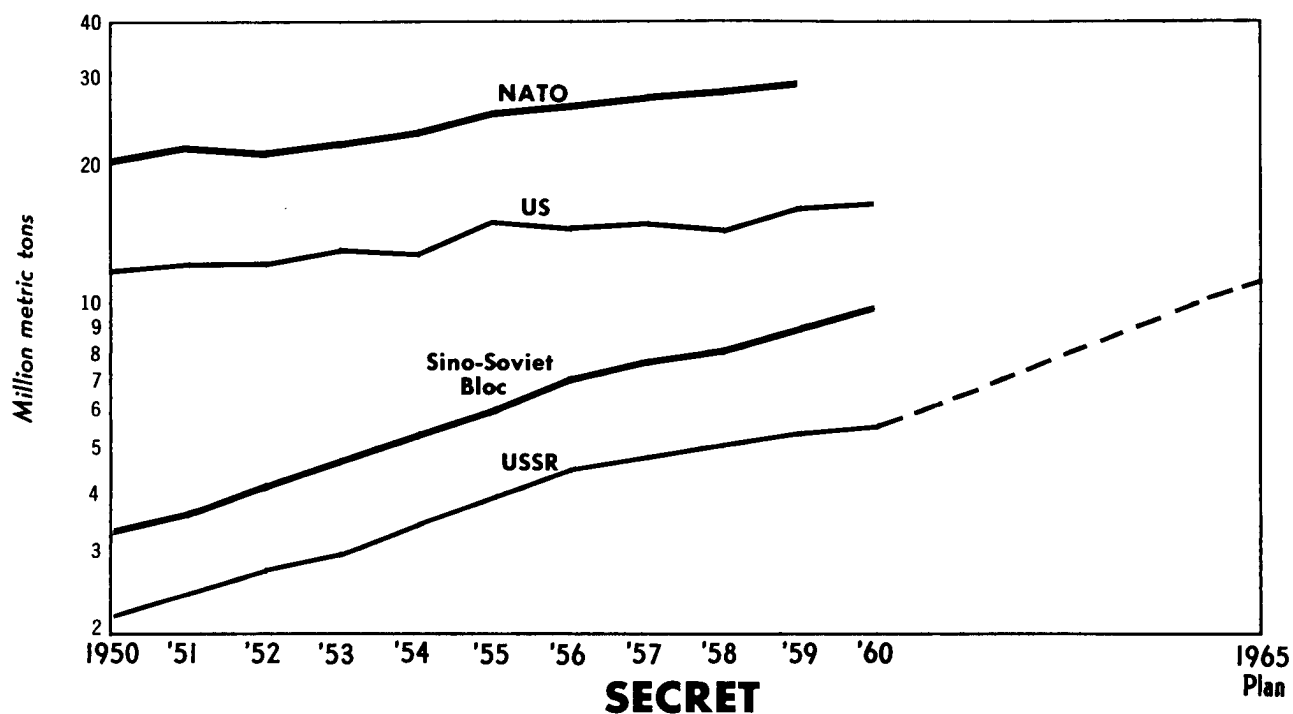
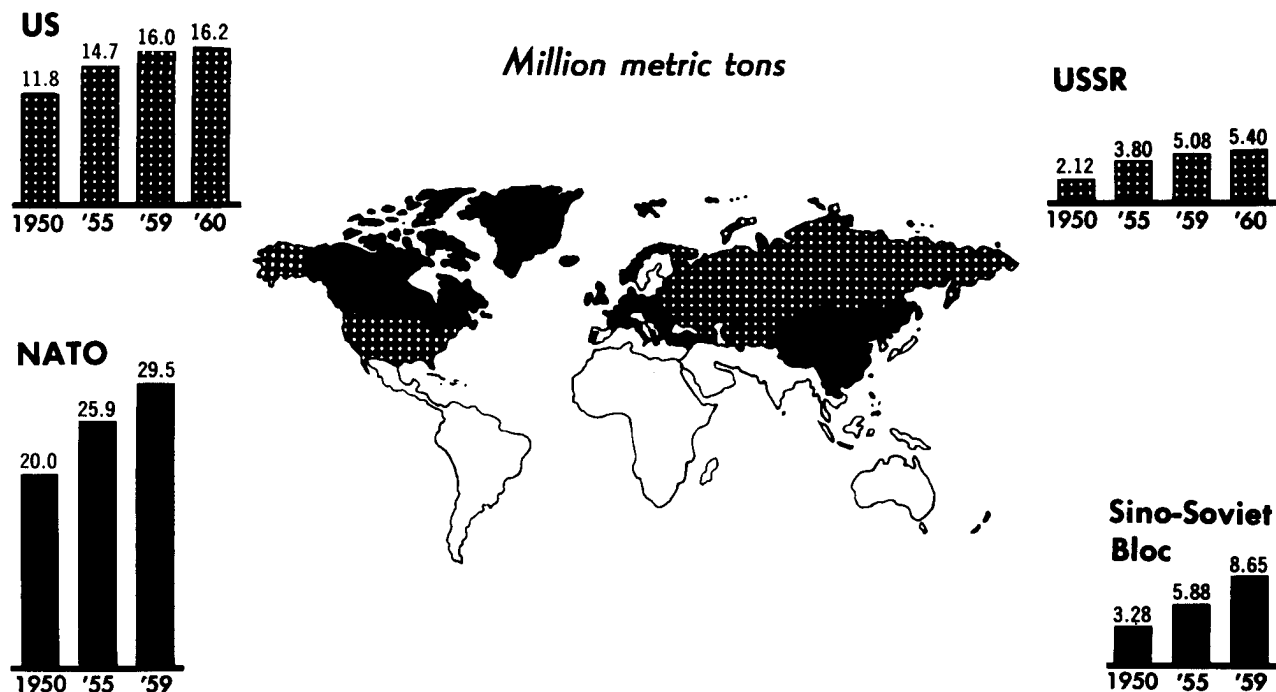
<sup>d</sup> Excluding oleum.



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Figure 15

# COMPARISON OF PRODUCTION OF SULFURIC ACID IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 74

Production of Nitric Acid in the US and the Sino-Soviet Bloc <sup>a</sup>  
 Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
US.....	1,212*	2,351*	2,453*	2,789*	3,008*	
Sino-Soviet Bloc.....	<b>N.A.</b>	<b>2,370</b>	<b>3,570</b>	<b>3,910</b>	<b>4,180</b>	
USSR.....	892	1,498	1,925	2,004	2,102	4,800
Communist China.....	9	70	314	360	390	
North Korea.....	14	0	50	60	90	
European Satellites.....	<b>N.A.</b>	<b>800</b>	<b>1,280</b>	<b>1,490</b>	<b>1,600</b>	
Albania.....	0	0	0	0	0	56 <sup>b</sup>
Bulgaria.....	0	68	94	130	174	
Czechoslovakia.....	<i>N.A.</i>	114	239	306	318	
East Germany.....	184	276	352	355	361	533
Hungary.....	38*	38*	86*	130*	146	
Poland.....	104*	304*	472*	530	555	
Rumania.....	<i>N.A.</i>	<i>N.A.</i>	39	34	44	

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated production for 1965.

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## MANUFACTURED ITEMS

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Table 75  
Production of Synthetic Ammonia <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Metric Tons of Nitrogen						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>2,880*</b>	<b>4,650*</b>	<b>6,010*</b>	<b>6,670*</b>	<b>N.A.*</b>	
US <sup>c</sup>	1,170*	2,363*	2,898*	3,367*	3,591*	
Sino-Soviet Bloc	<b>747</b>	<b>1,260</b>	<b>1,880</b>	<b>2,120</b>	<b>2,330</b>	
USSR	368	619	795	828	888	1,990 <sup>d</sup>
Communist China	13	69	195	275	330	
North Korea	46	6	90	100	124	
European Satellites	<b>320</b>	<b>565</b>	<b>798</b>	<b>912</b>	<b>984</b>	
Albania	0	0	0	0	0	26 <sup>d</sup>
Bulgaria	0*	34*	48*	68	88	
Czechoslovakia	16	41*	94*	124*	131*	
East Germany	242*	335*	365*	376*	385	
Hungary	17*	18*	42*	61*	68	
Poland	45*	137*	232*	268*	283* <sup>e</sup>	560*
Rumania	N.A.	N.A.	17	15	29	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium	275*	304*	Netherlands	348*	355*	Portugal	30*	41*
France	593*	664*	Norway	240*	247*	West Germany	1,121*	1,093*
Italy	502*	598*						

<sup>a</sup> Stated in terms of nitrogen content. To convert to actual production of synthetic ammonia, multiply by 1.2158. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Belgium, France, Italy, the Netherlands, Norway, the US, and West Germany; for 1958-59, Portugal; and for 1950, the UK.

<sup>c</sup> Synthetic anhydrous (commercial grade).

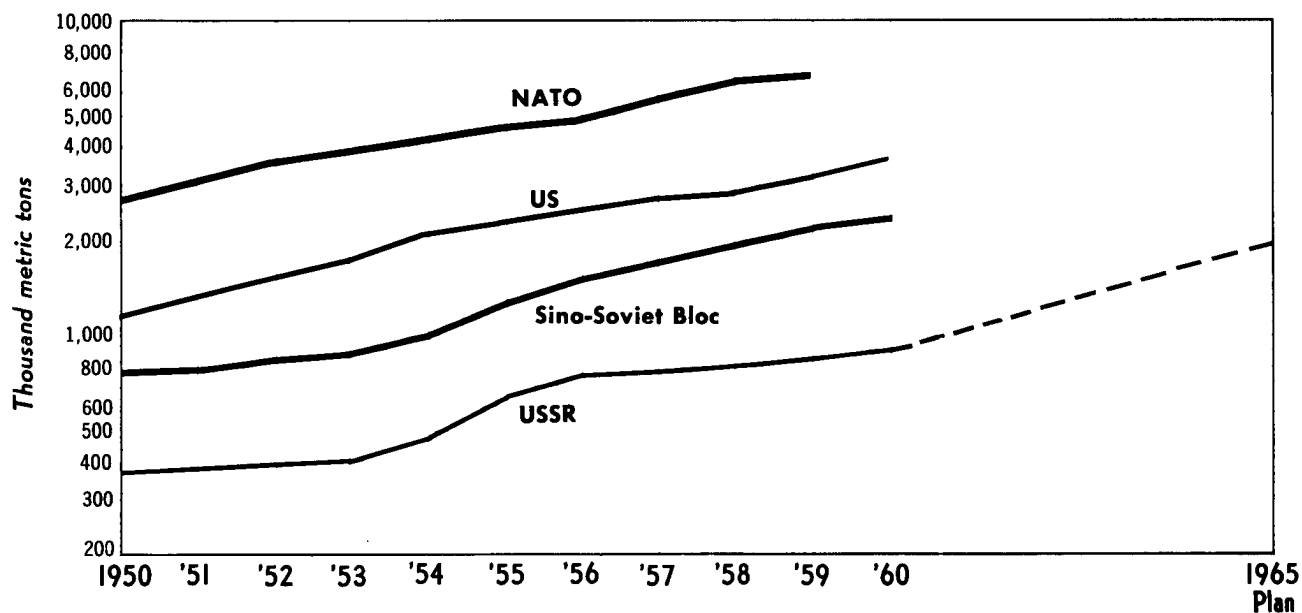
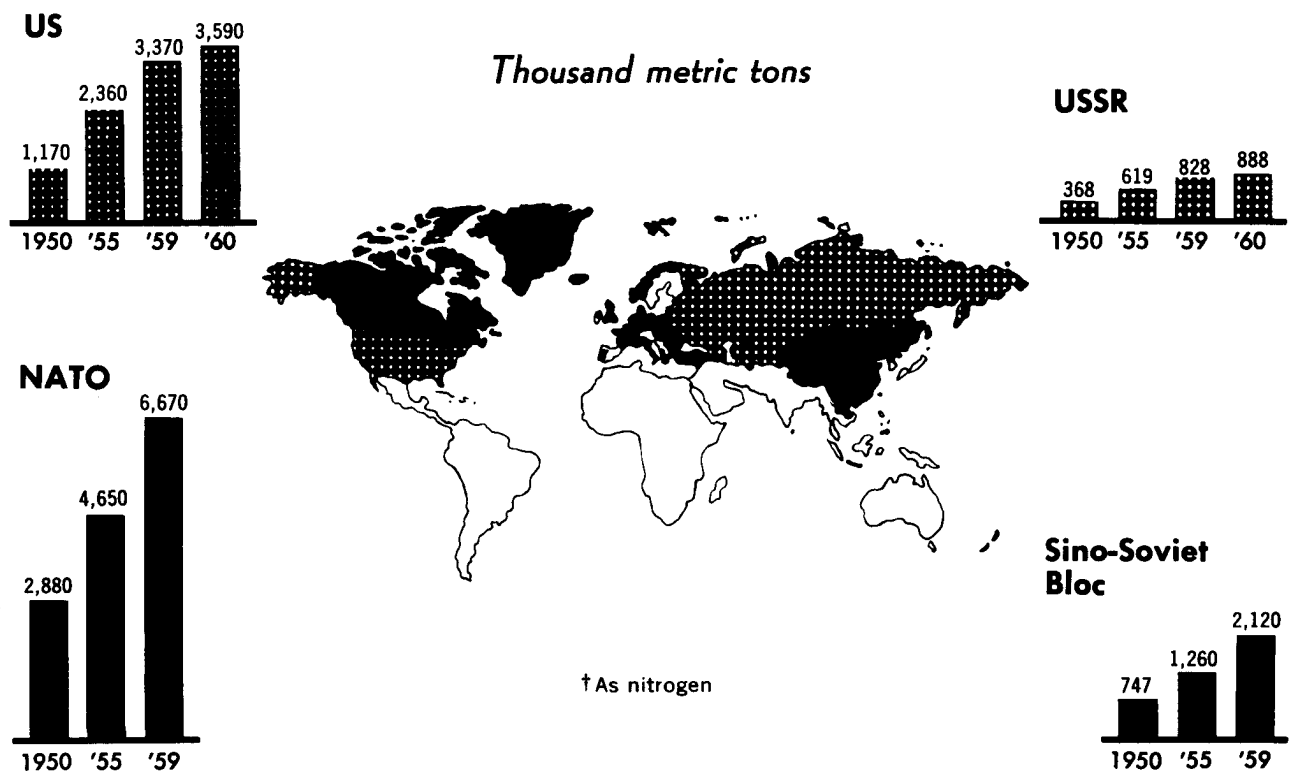
<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Plan data.

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Figure 16

# COMPARISON OF PRODUCTION OF SYNTHETIC AMMONIA<sup>†</sup> IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 76  
Production of Soda Ash <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>5,450*</b>	<b>6,660*</b>	<b>5,690*</b>	<b>6,370*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	3,621*	4,452*	3,923*	4,442*	4,134*	
Sino-Soviet Bloc.....	<b>1,280*</b>	<b>2,720*</b>	<b>3,530</b>	<b>3,980</b>	<b>4,550</b>	
USSR <sup>d</sup> .....	749*	1,437*	1,694	1,870	2,065	3,388 <sup>e</sup>
Communist China.....	160*	405*	640*	800*	960	
North Korea.....	N.A.	0*	14*	20* <sup>f</sup>	25	
European Satellites.....	<b>367*</b>	<b>880*</b>	<b>1,190*</b>	<b>1,290*</b>	<b>1,500*</b>	
Bulgaria.....	0*	70*	99*	114*	129*	
Czechoslovakia.....	86*	94*	89*	84*	74*	105
East Germany.....	103*	458*	553*	559*	594*	
Poland.....	139*	207*	362*	431*	518*	670*
Rumania.....	39*	51*	83*	106*	182*	265 <sup>e</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
France.....	736*	776*	Norway..	19*	21*	West Germany..	902*	999*
Netherlands..	88*	111*	Portugal..	18*	20*			

<sup>a</sup> Unless otherwise indicated, data refer to the total production of soda ash (sodium carbonate—Na<sub>2</sub>CO<sub>3</sub>), excluding, as far as possible, natural sodium carbonate and sodium bicarbonate. Including tonnage not commercialized but used on the spot for processing. Data on production for the USSR and Communist China include natural sodium carbonate. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, France, Norway, Portugal, the US, and West Germany; for 1950 and 1955, Italy; and for 1958-59, the Netherlands.

<sup>c</sup> 58 percent Na<sub>2</sub>O.

<sup>d</sup> 95 percent basis.

<sup>e</sup> Estimated plan for 1965.

<sup>f</sup> Plan data.

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## MANUFACTURED ITEMS

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Table 77  
Production of Caustic Soda <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>3,260*</b>	<b>5,050*</b>	<b>5,380*</b>	<b>6,150*</b>	<b>N.A.*</b>	
US.....	2,278*	3,552*	3,623*	4,241*	4,442*	
Sino-Soviet Bloc.....	<b>642*</b>	<b>1,180*</b>	<b>1,610</b>	<b>1,840</b>	<b>2,040</b>	
USSR <sup>c</sup> .....	325*	563*	720	800	880	1,440 <sup>d</sup>
Communist China.....	23*	137*	270*	364*	420	
North Korea.....	9*	3*	14*	24*	25*	
European Satellites.....	<b>285*</b>	<b>475*</b>	<b>606*</b>	<b>652*</b>	<b>714*</b>	
Bulgaria.....	<i>Negl.*</i>	2*	14*	16*	17*	43*
Czechoslovakia.....	49*	82*	93*	100*	115*	185
East Germany.....	150*	257*	296*	304*	327*	
Hungary.....	9*	12*	17*	16*	17*	35*
Poland.....	62*	98*	145*	152*	161*	260*
Rumania.....	15*	24*	41*	64*	77*	160 <sup>d</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada.....	281*	308*	Greece.....	1*	1*	Portugal.....	19*	20*
Denmark.....	3*	3*	Italy.....	275*	336*	Turkey.....	1*	1*
France.....	495*	498*	Norway.....	42*	43*	West Germany...	636*	699*

<sup>a</sup> Unless otherwise indicated, data refer to 100 percent caustic soda (NaOH). Including tonnage not commercialized but used on the spot for processing. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Belgium, Iceland, Luxembourg, the Netherlands, and the UK.

<sup>c</sup> 92 percent basis.

<sup>d</sup> Estimated production for 1965.

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MANUFACTURED ITEMS

Table 78  
Production of Chlorine \*  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	<b>2,270*</b>	<b>3,820*</b>	<b>4,250*</b>	<b>4,960*</b>	<b>N.A.*</b>	
US . . . . .	1,891*	3,104*	3,266*	3,887*	4,166*	
Sino-Soviet Bloc . . . . .	<b>395</b>	<b>686</b>	<b>921</b>	<b>1,080</b>	<b>1,250</b>	
USSR . . . . .	187	322	450	520	600	1,200 <sup>c</sup>
Communist China . . . . .	7	69	110	158	190	
North Korea . . . . .	8	3	13	21	22	
European Satellites . . . . .	<b>193</b>	<b>292</b>	<b>348</b>	<b>384</b>	<b>442</b>	
Bulgaria . . . . .	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	<i>Negl.</i>	8*
Czechoslovakia . . . . .	34	58	67	74	87	145
East Germany . . . . .	142	211*	219	235	259 <sup>d</sup>	
Hungary . . . . .	7	10	15	14	15	31
Poland . . . . .	5*	8*	37*	46*	55	133*
Rumania . . . . .	5	5	10	15	26	62 <sup>c</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Denmark . . . . .	3*	3*	Italy . . . . .	157*	176*	Portugal . . . . .	1*	1*
France . . . . .	246*	269*	Norway . . . . .	36*	37*	West Germany . .	538*	592*

\* Representing the total production of gas, including quantities later liquefied for use, shipment, or storage. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Denmark, France, Italy, Norway, Portugal, the US, and West Germany.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> Plan data.

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## MANUFACTURED ITEMS

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Table 79  
Production of Calcium Carbide <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>1,760*</b>	<b>2,320*</b>	<b>2,740*</b>	<b>2,910*</b>	<b>N.A.*</b>	
US .....	609*	794*	819*	924*	N.A.*	
Sino-Soviet Bloc .....	<b>1,190</b>	<b>1,630</b>	<b>2,000</b>	<b>2,150</b>	<b>2,310</b>	
USSR .....	233	410	515	550	585	
China .....	6	30	87	120	145	
North Korea .....	94*	67*	150*	135*	150	
European Satellites .....	<b>860</b>	<b>1,130*</b>	<b>1,250*</b>	<b>1,340</b>	<b>1,430</b>	
Bulgaria .....	3*	9*	15*	15	15	
Czechoslovakia .....	56	76*	90*	97*	104	140
East Germany .....	606*	793*	831*	887*	923*	1,180*
Hungary .....	10*	13*	13*	13*	13	
Poland .....	172*	211*	252*	279*	324	450*
Rumania .....	13*	24*	48*	49*	52	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
France .....	346*	347*	Norway <sup>c</sup> .....	62*	62*	UK .....	147*	174*
Italy .....	320*	321*	Portugal .....	6*	4*	West Germany ..	997*	1,035*
Netherlands ..	40*	44*						

<sup>a</sup> Data refer to commercial grade calcium carbide (CaC<sub>2</sub>). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, France, Italy, Norway, Portugal, the UK, the US, and West Germany, and for 1958-59, the Netherlands.

<sup>c</sup> Excluding calcium carbide used for production of cyanamide.

Table 80  
Production of Refined Benzol in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
US .....	882.3* <sup>b</sup>	1,020.9*	953.5*	1,152.5*	N.A.*	
Sino-Soviet Bloc .....	<b>328</b>	<b>526</b>	<b>612</b>	<b>677</b>	<b>750</b>	
USSR .....	224.0	347.0	401.0	450.0	505.0	900.0 <sup>c</sup>
Communist China .....	8.0	36.0	51.0	58.0	66.0	
European Satellites .....	<b>96.4</b>	<b>144</b>	<b>160</b>	<b>169</b>	<b>178</b>	
Bulgaria .....	0.1	0.1	0.1	0.1	0.1	6.0*
Czechoslovakia .....	40.5	52.5	55.3	59.1	63.5	
East Germany .....	8.5	11.9	11.4	12.2	11.9	
Hungary .....	0.5*	0.4*	2.4*	4.0*	4.0	
Poland .....	46.4	77.5	86.8	88.7	93.0	
Rumania .....	0.4 <sup>b</sup>	1.1	4.4	4.7	6.0	

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data for 1951.

<sup>c</sup> Estimated plan for 1965.



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Table 81  
Production of Mineral Fertilizers <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons <sup>b</sup>					
	1950	1955	1958	1959	1960	1965 Plan <sup>c</sup>
NATO <sup>d</sup>	<b>9,500*</b>	<b>14,100*</b>	<b>16,000*</b>	<b>17,300*</b>	<b>N.A.*</b>	
US.....	3,977*	5,702*	6,258*	7,117*	N.A.*	
Sino-Soviet Bloc.....	<b>3,100</b>	<b>4,740</b>	<b>6,030</b>	<b>6,520</b>	<b>7,100</b>	
USSR.....	1,235	2,294	2,927	3,045	3,280	8,221
Communist China.....	15	85	266	408	548	
North Korea.....	56	17	94	102	132	
European Satellites.....	<b>1,800</b>	<b>2,350</b>	<b>2,740</b>	<b>2,960</b>	<b>3,140</b>	
Albania.....	0	0	0	0	0	54
Bulgaria.....	0	31	55	86	116	363
Czechoslovakia.....	96	159	225	268	287	585
East Germany.....	1,498	1,821	1,984	2,034	2,080	2,798
Hungary.....	40	41	69	91	105	265
Poland.....	160	286	382	430	477	880
Rumania.....	1	11	29	52	73	500

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	562*	617*	Iceland.....	6*	6*	Portugal.....	89*	117*
Canada.....	325*	340*	Italy.....	819*	956*	Saar.....	98*	90*
Denmark.....	84*	89*	Luxembourg..	112*	110*	Turkey.....	7*	14*
France.....	2,703*	2,799*	Netherlands..	549*	568*	UK.....	682*	715*
Greece.....	51*	51*	Norway.....	281*	292*	West Germany.	3,343*	3,464*

<sup>a</sup> Including, where produced, nitrogen fertilizers (in terms of nitrogen), phosphorous fertilizers (in terms of phosphoric anhydride), and potassium fertilizers (in terms of potassium oxide). A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Tonnages refer to the nutrients expressed as nitrogen, phosphoric anhydride, and potassium oxide.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> The years for the NATO data are "fertilizer years"—that is, the 12 months ending on 30 June of the stated year.

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## MANUFACTURED ITEMS

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Table 82  
Production of Rubber Tires \* in the US and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

						Thousand Units
Country	1950	1955	1958	1959	1960	1965 Plan
US.....	92,754*	112,178*	96,563*	117,875*	119,868*	
Sino-Soviet Bloc.....	<b>9,280</b>	<b>13,900</b>	<b>20,800</b>	<b>22,700</b>	<b>25,300</b>	
USSR.....	7,401*	10,190*	14,395*	15,481*	17,200*	29,000*
Communist China.....	67	593*	1,500	1,800	2,000	
European Satellites.....	<b>1,810</b>	<b>3,080</b>	<b>4,940</b>	<b>5,430</b>	<b>6,070</b>	
Bulgaria.....	38*	72*	133*	152	187	
Czechoslovakia.....	968* <sup>b</sup>	899* <sup>c</sup>	1,260* <sup>c</sup>	1,263* <sup>c</sup>	1,324* <sup>c</sup>	1,828* <sup>b</sup>
East Germany.....	394	1,225	1,626*	1,892*	2,155 <sup>d</sup>	
Hungary.....	114*	281*	441*	428*	454 <sup>e</sup>	625* <sup>e</sup>
Poland.....	215	425*	1,205	1,378	1,617*	2,500*
Rumania.....	81*	180*	270*	318*	337* <sup>f</sup>	1,100*

\* Unless otherwise indicated, data include motor vehicle tires and exclude aircraft and bicycle tires. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including truck and automobile tires.

<sup>c</sup> Including truck, tractor, and automobile tires.

<sup>d</sup> Plan data.

<sup>e</sup> Including truck, bus, and automobile tires.

<sup>f</sup> Including truck, automobile, tractor, and aircraft tires.

Table 83  
Production of Synthetic Rubber \*  
Selected Years, 1950-60, and 1965 Plan

						Thousand Metric Tons
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>543*</b>	<b>1,100*</b>	<b>1,260*</b>	<b>1,660*</b>	<b>N.A.*</b>	
US.....	483.8*	986.0*	1,071.5*	1,401.8*	1,459.5*	
Sino-Soviet Bloc.....	<b>182</b>	<b>313</b>	<b>385</b>	<b>406</b>	<b>456</b>	
USSR.....	143.0	240.0	300.0	315.0	350.0	600 <sup>c</sup>
European Satellites.....	<b>39.4</b>	<b>72.8</b>	<b>84.7</b>	<b>91.2</b>	<b>106</b>	
Bulgaria.....	0	0	0	0	0	30*
Czechoslovakia.....	0.4	0.6	0.9	1.0	1.0	55*
East Germany.....	39.0	72.2*	83.8*	85.2*	85.5*	105*
Poland.....	0*	0*	0*	5.0*	20.0*	40*
Rumania.....	0	0	0	0	0	50*

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada.....	137.2*	102.3*	Italy.....	20.3*	47.8*	West Germany..	23.1*	48.9*
France.....	N.A.*	6.0*	UK.....	11.5*	57.9*			

\* Including copolymers of butadiene with styrene and acrylonitrile and neoprene and butyl rubber. Latexes are included. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Canada and the US; for 1959, France; for 1958-59, Italy and the UK; and for 1955 and 1958-59, West Germany.

<sup>c</sup> Estimated production for 1965.

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Table 84  
Production of Electric Motors <sup>a</sup> in Selected Countries of the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Kilowatts					
	1950	1955	1958	1959	1960	1965 Plan
USSR.....	6,780*	8,819*	14,380*	16,393*	18,200*	33,000*
Communist China.....	199*	607*	6,052*	N.A.	N.A.	
North Korea.....	N.A.	N.A.	222*	488*	556*	
Bulgaria.....	65*	114*	467*	724*	911*	
Czechoslovakia <sup>b</sup> .....	1,327*	1,180*	2,371*	2,670*	3,000	
Poland.....	395*	1,235*	1,673*	2,008*	2,460*	
Rumania.....	94*	147*	374*	467*	553*	

<sup>a</sup> All sizes. Unless otherwise indicated, including alternating and direct current. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Alternating current only.

Table 85  
Production of Electric Generators <sup>a</sup> in the US and Selected Countries of the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Kilowatts					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	6,788*	10,584*	17,833*	13,977*	12,899*	
USSR.....	934*	4,526*	5,200*	6,500*	7,900*	18,000*
Communist China <sup>c</sup> .....	N.A.	108	800* <sup>d</sup>	2,150* <sup>d</sup>	3,300* <sup>d e</sup>	
Bulgaria.....	0*	10*	0*	0*	32*	
Czechoslovakia <sup>c</sup> .....	506*	1,179*	1,164*	1,345*	1,650	
Hungary.....	230	225	350	400	450	
Poland.....	Negl.	12	140	200	230	
Rumania.....	13*	46*	47*	52*	70*	

<sup>a</sup> Unless otherwise indicated, all sizes, including alternating and direct current. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Units of 4,000 kilowatts and larger.

<sup>c</sup> Alternating current only.

<sup>d</sup> Turbogenerators and hydrogenerators only.

<sup>e</sup> Plan data.

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## MANUFACTURED ITEMS

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Table 86

Production of Turbines <sup>a</sup> in the US and Selected Countries of the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Kilowatts					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> . . . . .	6,788*	10,584*	17,833*	13,977*	12,899*	
USSR <sup>c</sup> . . . . .	2,696*	5,561*	6,631*	7,600*	9,200*	19,550* <sup>d</sup>
Communist China . . . . .	N.A.	69*	800*	2,150*	3,300* <sup>e</sup>	
Czechoslovakia . . . . .	281*	1,004*	964*	1,168*	1,555*	2,590*
East Germany <sup>f</sup> . . . . .	171	539*	505*	450	550	1,606*
Hungary . . . . .	N.A.	240*	N.A.	N.A.	370* <sup>e</sup>	
Poland <sup>f</sup> . . . . .	Negl.*	19*	53*	35*	186*	600*
Rumania <sup>f</sup> . . . . .	0*	15*	23*	N.A.	N.A.	

<sup>a</sup> Unless otherwise indicated, data refer to steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Units of 4,000 kilowatts and larger.

<sup>c</sup> Including a small number of gas turbines.

<sup>d</sup> Midpoint of the range of planned production for 1965 of 18.7 million to 20.4 million kilowatts.

<sup>e</sup> Plan data.

<sup>f</sup> Steam turbines only.

Table 87

Production of Electron Tubes in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Units					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> . . . . .	383.0*	479.8*	397.4*	432.9*	408.5*	
Sino-Soviet Bloc . . . . .	<b>33.3</b>	<b>102</b>	<b>174</b>	<b>209</b>	<b>230</b>	
USSR . . . . .	25.2*	76.6*	110.0*	119.0*	125.0*	155.0 <sup>c</sup>
Communist China . . . . .	Negl.	0.3	21.4	42.8	49.0	
European Satellites . . . . .	<b>8.1</b>	<b>25.2</b>	<b>42.1</b>	<b>46.8</b>	<b>55.5</b>	
Czechoslovakia . . . . .	2.8	4.3*	9.5*	11.2*	12.7	23.7 <sup>c</sup>
East Germany . . . . .	2.7	9.5	16.2	17.4	20.5	30.0 <sup>d</sup>
Hungary . . . . .	2.6	8.6	9.5	10.0	12.0	
Poland . . . . .	Negl.	2.6*	5.9	7.2	10.3*	19.8*
Rumania . . . . .	Negl.	0.2	1.0	1.0	N.A.	

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including only those tubes manufactured for civilian use.

<sup>c</sup> Estimated production for 1965.

<sup>d</sup> Estimated plan for 1965.

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Table 88  
Production of Radio Receivers <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>20,300*</b>	<b>21,800*</b>	<b>21,000*</b>	<b>25,300*</b>	<b>N.A.*</b>	
US	14,590*	14,526*	12,507*	16,451*	17,127*	
Sino-Soviet Bloc	<b>1,900*</b>	<b>5,420</b>	<b>7,630</b>	<b>7,820</b>	<b>8,310</b>	
USSR	1,072*	3,549*	3,902*	4,035*	4,164*	6,000*
Communist China	<i>Negl.</i>	50	1,300	1,500	1,800	
European Satellites	<b>833*</b>	<b>1,820*</b>	<b>2,430*</b>	<b>2,290</b>	<b>2,340</b>	
Bulgaria	8*	66*	132*	166*	150*	
Czechoslovakia	293*	102*	309*	281*	254*	330*
East Germany	277*	725*	609*	666	636	875 <sup>c</sup>
Hungary	99*	377*	452*	259*	212*	
Poland	116*	461*	790*	750*	900* <sup>d</sup>	1,200*
Rumania	40*	89*	139*	167*	190	300*

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada <sup>a</sup>	695*	770*	Italy	750*	750*	UK	1,812*	1,836*
Denmark	85*	N.A.*	Norway	99*	N.A.*	West Germany	3,450*	3,814*
France	1,583*	1,688*						

<sup>a</sup> Civilian radio receivers, including radio-phonograph combinations. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Canada, France, the UK, the US, and West Germany; except for 1959, Denmark and Norway; and except for 1950 and 1955, Italy.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> Plan data.

<sup>e</sup> Producers sales.

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Table 89  
Production of Television Receivers <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>8,040*</b>	<b>10,800*</b>	<b>9,740*</b>	<b>12,400*</b>	<b>N.A.*</b>	
US.....	7,464*	7,756*	4,921*	6,349*	5,709*	
Sino-Soviet Bloc.....	<b>12*</b>	<b>551*</b>	<b>1,390*</b>	<b>1,990*</b>	<b>2,770</b>	
USSR.....	12*	495*	979*	1,277*	1,726*	3,300*
Communist China.....	0*	0*	<i>Negl.*</i>	<i>Negl.*</i>	22*	
European Satellites.....	<b>Negl.*</b>	<b>56*</b>	<b>408*</b>	<b>717*</b>	<b>1,020</b>	
Bulgaria.....	0*	0*	<i>Negl.*</i>	25*	45*	
Czechoslovakia.....	<i>Negl.*</i>	17*	134*	197*	263*	410*
East Germany.....	<i>Negl.*</i>	39*	180*	290*	396	670*
Hungary.....	0*	<i>Negl.*</i>	37*	88*	140*	170*
Poland.....	0*	<i>Negl.*</i>	57*	117*	180	440*

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada <sup>c</sup> .....	420*	405*	France.....	350*	500*	UK.....	1,985*	2,838*
Denmark.....	119*	<i>N.A.*</i>	Italy.....	460*	500*	West Germany...	1,487*	1,814*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

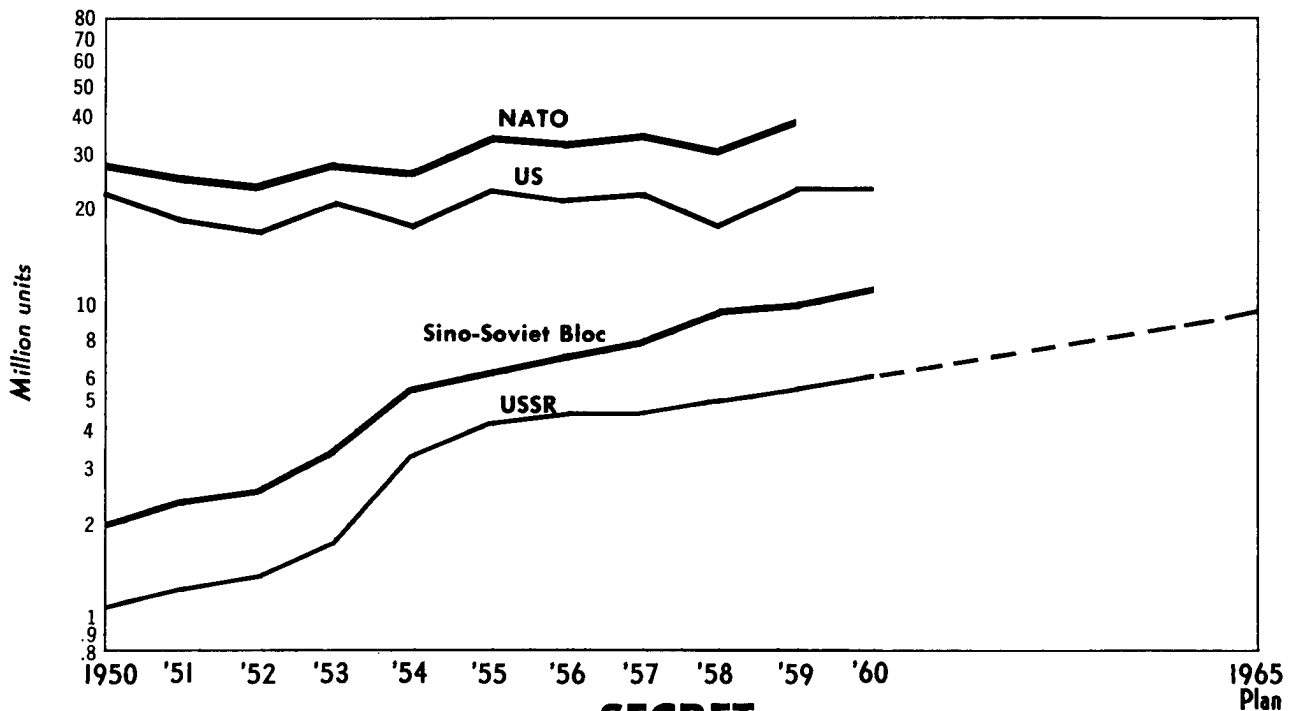
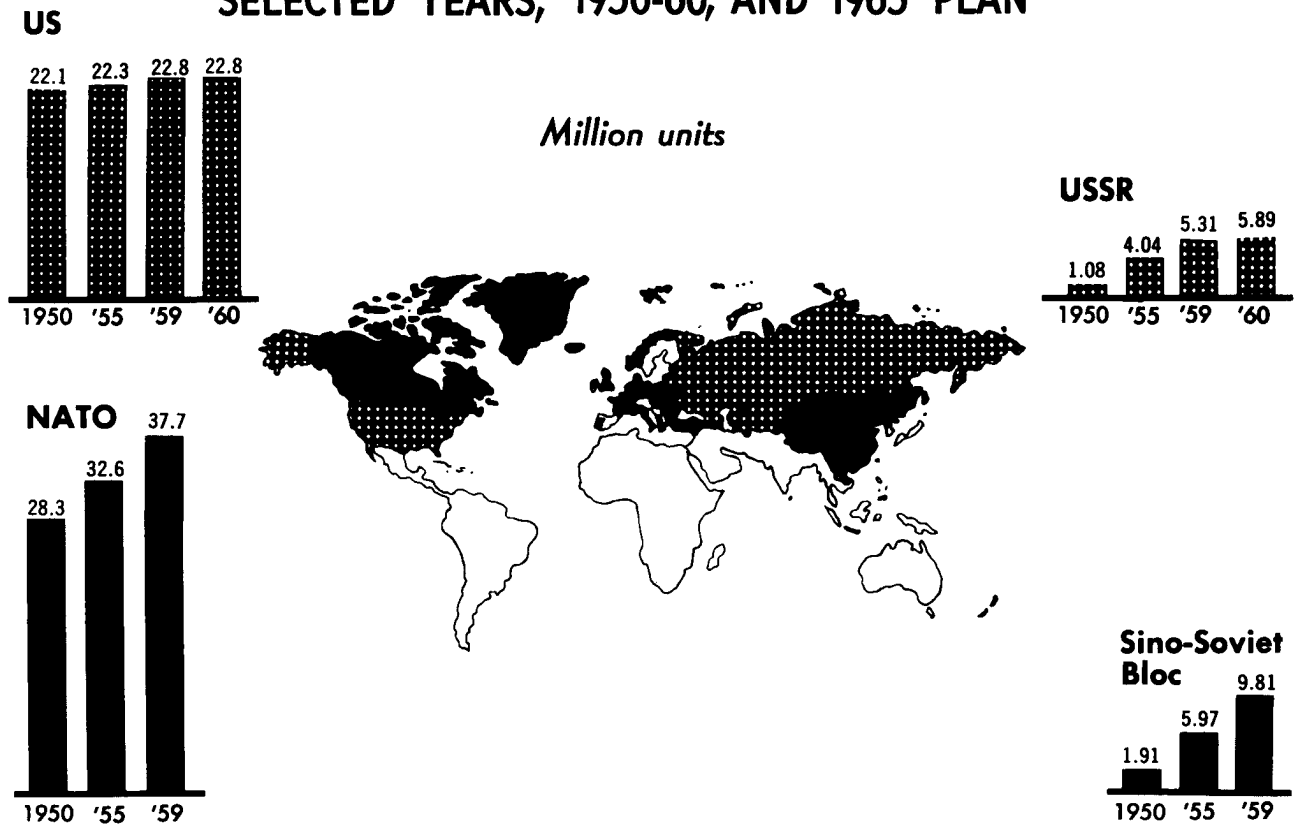
<sup>b</sup> Including for all years, Canada, France, the UK, and the US; except for 1950 and 1959, Denmark; except for 1950 and 1955, Italy; and except for 1950, West Germany.

<sup>c</sup> Producers sales.

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Figure 17

# COMPARISON OF PRODUCTION OF RADIO RECEIVERS AND TELEVISION RECEIVERS IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 90

Production of Metalcutting Machine Tools in the US and the Sino-Soviet Bloc <sup>a</sup>  
 Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
US.....	48.00*	58.00*	31.50*	45.21*	43.47*	
Sino-Soviet Bloc.....	108*	185*	265*	302	335	
USSR.....	70.60*	117.09*	138.29*	147.08*	154.00*	195.00* <sup>b</sup>
Communist China.....	3.31*	13.71*	50.00* <sup>c</sup>	70.00* <sup>c</sup>	90.00* <sup>c</sup>	
North Korea.....	0*	N.A.	1.45*	2.20	2.80	
North Vietnam.....	0*	0*	0.07*	0.40	0.75	
European Satellites.....	34.4*	54.2*	75.5*	82.7	87.3	
Bulgaria.....	0.90*	1.40*	1.97*	3.00	3.00	
Czechoslovakia.....	12.91*	18.49*	28.01* <sup>d</sup>	29.18* <sup>d</sup>	30.00	
East Germany <sup>e</sup> .....	13.15*	15.60*	18.25*	20.42*	20.50	
Hungary.....	3.45*	5.35*	7.10* <sup>f</sup>	6.50	7.50	
Poland.....	3.80*	12.70*	19.10*	20.50*	21.90*	26.00*
Rumania.....	0.18* <sup>g</sup>	0.71* <sup>g</sup>	1.08* <sup>g</sup>	3.12* <sup>h</sup>	4.36* <sup>h</sup>	7.75* <sup>i</sup>

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Midpoint of the range of planned production for 1965 of 190,000 to 200,000 units.

<sup>c</sup> Including items not previously reported as machine tools.

<sup>d</sup> Including production by the Central Union of Producers Cooperatives (USVD). In 1958 the USVD produced about 6,000 units.

<sup>e</sup> Excluding a few types known to be produced in small quantities.

<sup>f</sup> Including "grinding machines" that have been improperly classified.

<sup>g</sup> Data appear to be production of lathes only.

<sup>h</sup> Including metalforming types.

<sup>i</sup> Midpoint of the range of planned production for 1965 of 7,500 to 8,000 units. Data probably include both metalcutting and metalforming types.

Table 91

Production of Metalforming Machine Tools <sup>a</sup> in the US and the USSR  
 Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
US.....	N.A.*	N.A.*	21.2*	32.9* <sup>b</sup>	39.3* <sup>c</sup>	
USSR.....	9.0* <sup>d</sup>	19.4* <sup>d</sup>	26.2* <sup>e</sup>	28.7* <sup>e</sup>	29.5*	36.2*

<sup>a</sup> Unless otherwise indicated, data include power-driven metalforming machine tools defined as not supported in the hands of an operator when in use and designed to press, forge, emboss, hammer, extrude, blank, spin, shear, or bend metal into shape. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including manually operated punching and shearing and bending and forming machines.

<sup>c</sup> Including manually operated bending and forming machines and excluding spinning lathes.

<sup>d</sup> Probably including hand machines and shears.

<sup>e</sup> Excluding hand machines and shears.

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Table 92  
Production of Antifriction Bearings \* in the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

	Million Units					
Country	1950	1955	1958	1959	1960	1965 Plan
Sino-Soviet Bloc.....	<b>104</b>	<b>252</b>	<b>417*</b>	<b>N.A.</b>	<b>N.A.</b>	
USSR.....	93.3*	218.0*	325.1*	350.7*	369.7*	710* <sup>b</sup>
Communist China.....	0.4*	N.A.	29.4*	42.0*	N.A.	
European Satellites.....	<b>10.5</b>	<b>33.5</b>	<b>62.9*</b>	<b>N.A.</b>	<b>92.8*</b>	
Czechoslovakia.....	5.9*	14.3*	27.1*	30.2*	37.2*	72*
East Germany.....	3.9	14.2	22.6*	N.A.	33.0*	60*
Hungary.....	N.A.	N.A.	3.5*	4.5*	6.0*	
Poland.....	0.5*	3.3*	6.9*	8.9*	12.0*	
Rumania.....	0.2*	1.7*	2.8*	3.5*	4.6*	

\* Data for the US in terms of production of antifriction bearings are not available. Shipments in current US dollars for ball and roller bearings and components totaled for 1960, US \$450 million; for 1955, US \$674 million; and for 1958, US \$631 million. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Midpoint of the range of planned production for 1965 of 650 million to 770 million units.

Table 93  
Production of Metallurgical Equipment \* in the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

	Thousand Metric Tons					
Country	1950	1955	1958	1959	1960	1965 Plan
Sino-Soviet Bloc.....	<b>158*</b>	<b>272</b>	<b>401*</b>	<b>542*</b>	<b>N.A.</b>	
USSR.....	111.2*	172.1*	172.7*	200.0*	218.0*	210.0* <sup>b</sup>
Communist China.....	<i>Negl.*</i>	11.5	110.0* <sup>c</sup>	205.0* <sup>c</sup>	N.A.	
European Satellites.....	<b>46.7*</b>	<b>88.1*</b>	<b>118*</b>	<b>137*</b>	<b>152</b>	
Czechoslovakia.....	20.3*	37.3*	76.2*	88.1*	105.0	182.6*
East Germany <sup>d</sup> .....	17.2*	24.3*	14.5*	13.8*	N.A.	
Poland.....	9.2*	22.9*	12.1*	16.0*	22.0*	51.0*
Rumania.....	<i>Negl.*</i>	3.6*	15.3*	19.3*	24.6*	

\* Metallurgical equipment includes rolling mills; mechanical equipment for coke, blast, and smelting furnaces; mixers; crushers; grinding mills for ore and coal; agglomeration installations; and special hoist-transport mechanisms for metallurgical shops. Equipment for nonferrous shops is believed to be included but probably amounts to only a small percentage of the total physical volume. Data are not available for the US in terms of metric tons. Expenditures in the US in current US dollars for new machinery and equipment for blast furnaces, steel mills, and nonferrous metal-producing facilities totaled for 1950, US \$354 million; for 1955, US \$522 million; for 1956, US \$950 million; and for 1957, US \$1,331 million. Data for later years are not available. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Midpoint of the range of planned production for 1965 of 200,000 to 220,000 metric tons. The plan for 1965 is for rolling mill equipment only, which normally constitutes 50 to 60 percent of all metallurgical equipment produced in the USSR.

<sup>c</sup> Including large quantities of small-scale equipment not normally produced in other Bloc countries.

<sup>d</sup> Rolling mill equipment only. Production data are not available for all metallurgical equipment.

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Table 94

Production of Chemical Equipment in Selected Countries of the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Unit of Measure	1950	1955	1958	1959	1960	1965 Plan
USSR.....	Thousand tons <sup>b</sup> .....	43*	111*	N.A.	N.A.	N.A.	N.A.
	Million rubles <sup>c</sup> .....	N.A.	N.A.	1,121*	1,757*	2,240*	3,600* <sup>d</sup>
Czechoslovakia.....	Thousand tons.....	11	29*	41*	57	75	250 <sup>e</sup>
	Million korunas <sup>f</sup> .....	N.A.	328*	450*	605*	794*	2,542*
East Germany.....	Thousand tons.....	N.A.	N.A.	48	51	60	130 <sup>e</sup>
	Million DME <sup>g</sup> .....	171*	298*	394*	466*	N.A.	N.A.
Hungary.....	Thousand tons.....	N.A.	N.A.	12	15	20	40 <sup>e</sup>
Poland.....	Thousand tons.....	7*	28*	32*	24*	29*	85 <sup>e</sup>
Rumania.....	Thousand tons.....	N.A.	N.A.	9	12*	17*	35 <sup>e</sup>

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Tonnages are given in metric tons.

<sup>c</sup> Value figures probably are based on 1955 prices.

<sup>d</sup> Midpoint of the range of planned production for 1965 of 3.5 billion to 3.7 billion rubles.

<sup>e</sup> Estimated production for 1965.

<sup>f</sup> Value figures probably are based on 1954 prices.

<sup>g</sup> Deutsche Mark East (East German marks). Including pumps and compressors. Value figures are based on 1955 constant plan prices. The value for 1950 is converted to constant plan prices on the basis of production figures for 1955.

Table 95

Production of Grain Combines <sup>a</sup> in the UK, the US, and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	1950	1955	1958	1959	1960	1965 Plan	Units
UK.....	4,325*	6,209*	6,553*	4,440*	3,258*		
US.....	116,137*	63,739*	47,137*	42,461*	28,615*		
Sino-Soviet Bloc.....	<b>46,400</b>	<b>51,200*</b>	<b>74,900*</b>	<b>63,600*</b>	<b>71,900</b>		
USSR.....	46,338*	48,012*	65,000*	54,700*	59,000*	109,000 <sup>b</sup>	
Communist China.....	0*	3*	545*	1,243*	2,590		
European Satellites.....	<b>56</b>	<b>3,190*</b>	<b>9,340*</b>	<b>7,670*</b>	<b>10,300*</b>		
Bulgaria.....	1	300*	1,600*	0* <sup>c</sup>	0* <sup>c</sup>		
Czechoslovakia.....	0*	5*	0* <sup>d</sup>	0* <sup>d</sup>	0* <sup>d</sup>		
East Germany.....	0*	1,053*	475*	879*	1,972*	2,200* <sup>e</sup>	
Hungary.....	5*	1,535*	1,338*	1,661*	2,266*	4,500*	
Poland.....	0*	300*	23*	29*	564*		
Rumania.....	50*	0*	5,901*	5,100*	5,500*		

<sup>a</sup> Tractor-drawn and self-propelled. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated production for 1965.

<sup>c</sup> Production ceased in 1959, and there has been no indication that production is to be resumed.

<sup>d</sup> Production ceased in 1957 in favor of imports of this item from Hungary. There are no known plans for resumption of production in the future.

<sup>e</sup> Production "after 1960" during the Seven Year Plan has been planned at an annual average of 2,200 units.

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## MANUFACTURED ITEMS

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Table 96  
Production of Tractors \*  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>737*</b>	<b>751*</b>	<b>647*</b>	<b>677*</b>	<b>N.A.*</b>	
US.....	542.5*	377.1*	265.5*	297.1*	172.0*	
Sino-Soviet Bloc.....	<b>136*</b>	<b>200*</b>	<b>262*</b>	<b>271*</b>	<b>320</b>	
USSR.....	108.8*	163.4*	219.7*	213.5*	238.5*	400.0*
Communist China.....	0*	0*	1.0*	4.9*	10.0	
North Korea.....	0*	0*	<i>Negl.*</i>	0.1*	3.0*	10.0*
European Satellites.....	<b>27.2*</b>	<b>36.6*</b>	<b>41.8*</b>	<b>52.3*</b>	<b>68.9</b>	
Czechoslovakia.....	10.5*	12.6*	24.6*	29.2*	32.5*	43.1*
East Germany.....	5.2*	7.8*	4.3*	6.8*	9.0	
Hungary.....	4.1*	4.7*	1.5*	2.3*	2.6*	4.0
Poland.....	4.0*	8.1*	4.4*	3.0*	7.7*	22.5*
Rumania.....	3.5*	3.5*	7.0*	11.0*	17.1*	25.0*

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
France.....	92.3*	79.7*	UK.....	144.1*	164.8*	West Germany...	119.1*	107.1*
Italy.....	25.6*	28.3*						

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including France, Italy, the UK, the US, and West Germany.

Table 97  
Production of Tractor Drills \* in the UK, the US, and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
UK <sup>b</sup> .....	6,469*	3,796*	3,695*	4,581*	3,541*	
US <sup>c</sup> .....	153,421* <sup>d</sup>	72,212*	58,760*	59,137*	61,748*	
Sino-Soviet Bloc.....	<b>126,000</b>	<b>138,000</b>	<b>232,000*</b>	<b>157,000</b>	<b>N.A.</b>	
USSR.....	118,400*	123,300*	218,300*	136,700*	123,000*	140,500 <sup>e</sup>
European Satellites.....	<b>8,080</b>	<b>14,400</b>	<b>13,200*</b>	<b>20,700*</b>	<b>N.A.</b>	
Bulgaria.....	590*	2,452*	666*	1,843*	2,025*	
Czechoslovakia.....	2,827* <sup>f</sup>	6,080*	3,310*	2,785*	N.A.	
East Germany.....	4,208*	2,390*	3,056*	5,783*	N.A.	
Hungary.....	N.A.	N.A.	1,687*	2,134*	N.A.	
Poland.....	10*	2,006*	0*	1,320*	3,840*	
Rumania.....	450*	1,428*	4,496*	6,870*	14,322*	

\* Including tractor-drawn and tractor-mounted drills. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including combined seed and fertilizer drills.

<sup>c</sup> Excluding tractor-drawn corn planters and tractor-drawn corn and cotton planters. Published data list drawn units as a category without a breakdown into tractor-drawn and horse-drawn units. If it is assumed that the "three-row and larger" drawn corn planters are tractor drawn, production for the years shown would increase by the following amounts: 1951, 80,549 (two-row and larger); 1955, 20,573; 1958, 31,512; and 1959, 59,137.

<sup>d</sup> Data for 1951.

<sup>e</sup> Estimated plan based on reported deliveries to agriculture of 750,000 tractor drills during the Seven Year Plan (1959-65) and the revised plan calling for production of 146,000 more units during the period 1961-65.

<sup>f</sup> Including tractor planters of various types.

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Table 98

Production of Tractor Moldboard Plows <sup>a</sup> in the UK, the US, and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
UK.....	52,080*	26,571*	27,835*	23,802*	16,388*	
US.....	341,710*	141,174*	109,238*	119,130*	88,137*	
Sino-Soviet Bloc.....	<b>168,000*</b>	<b>137,000*</b>	<b>205,000*</b>	<b>201,000*</b>	<b>207,000</b>	
USSR.....	121,900*	103,200*	164,000*	154,900*	148,000*	157,000 <sup>b</sup>
European Satellites.....	<b>45,900*</b>	<b>33,300*</b>	<b>41,000*</b>	<b>46,400*</b>	<b>59,100</b>	
Bulgaria.....	900*	1,947*	2,700*	4,788*	4,340	
Czechoslovakia.....	20,812*	9,955*	12,196*	11,665*	20,000*	
East Germany.....	7,304*	3,572*	3,784*	5,886*	N.A.	
Hungary.....	3,274*	4,556*	1,737*	1,328*	353*	
Poland.....	8,600*	9,296*	14,830*	13,298*	18,670*	
Rumania.....	5,030*	4,005*	5,738*	9,396*	15,692*	

<sup>a</sup> Excluding surface (shallow) plows. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated plan for 1965 based on the reported total delivery of 1.1 million tractor plows to agriculture during the Seven Year Plan (1959-65).

Table 99

Construction of Maritime Ships <sup>a</sup>  
Selected Years, 1950-60

Country	Thousand Gross Register Tons				
	1950	1955	1958	1959	1960
NATO <sup>b</sup> .....	<b>4,020*</b>	<b>4,960*</b>	<b>7,180*</b>	<b>6,480*</b>	<b>5,920*</b>
US.....	340.0*	104.0*	862.0*	603.0*	596.0*
Sino-Soviet Bloc.....	<b>41.8</b>	<b>287</b>	<b>377</b>	<b>469</b>	<b>575</b>
USSR.....	8.0	113.3	103.4	172.8	200.0
Communist China.....	4.0	22.0	30.0	30.8	50.0
European Satellites.....	<b>29.8</b>	<b>152</b>	<b>243</b>	<b>266</b>	<b>325</b>
Bulgaria.....	N.A.	N.A.	5.9	8.7	13.6
East Germany.....	5.6	61.1	100.5	99.8	130.7
Hungary.....	13.8	15.6	20.4	13.3	11.5
Poland.....	10.4	75.1	116.5	143.9	159.2
Rumania.....	N.A.	N.A.	N.A.	N.A.	10.4

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium.....	175*	154*	Italy.....	707*	651*	Portugal.....	21*	34*
Denmark.....	270*	259*	Netherlands..	745*	617*	UK.....	2,033*	1,694*
France.....	624*	656*	Norway.....	382*	358*	West Germany..	916*	898*

<sup>a</sup> Including only countries in which domestic construction is a significant percentage of over-all construction. Data refer to oceangoing tankers, cargo and passenger ships, tugs, and self-propelled barges completed during the year but exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Canada, Greece, Iceland, Luxembourg, and Turkey.

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## MANUFACTURED ITEMS

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Table 100  
Construction of Inland and Fishing Ships in the Sino-Soviet Bloc \*  
Selected Years, 1950-60

Country	1950	1955	1958	1959	1960
Inland Self-Propelled					
Thousand Horsepower					
Sino-Soviet Bloc.....	<b>71.5</b>	<b>145</b>	<b>204</b>	<b>225</b>	<b>261</b>
USSR.....	48.9	72.6	115.1	130.7	141.2
Communist China.....	13.0	26.0	40.0	50.0	60.0
European Satellites.....	<b>9.6</b>	<b>46.8</b>	<b>48.5</b>	<b>44.6</b>	<b>59.4</b>
Czechoslovakia.....	7.2	13.8	17.2	14.4	16.7
East Germany.....	0	6.6	19.0	17.2	10.7
Hungary.....	2.4	26.4	12.3	10.0	20.0
Rumania.....	N.A.	N.A.	N.A.	3.0	12.0
Inland Non-Self-Propelled					
Thousand Deadweight Tons Carrying Capacity					
Sino-Soviet Bloc.....	<b>740</b>	<b>685</b>	<b>456</b>	<b>472</b>	<b>469</b>
USSR.....	725.2	614.1	295.0	260.0	240.0
Communist China.....	12.0	51.0	130.0	145.0	155.0
European Satellites.....	<b>2.4</b>	<b>20.0</b>	<b>31.0</b>	<b>67.2</b>	<b>73.6</b>
Bulgaria.....	N.A.	N.A.	N.A.	24.6	32.0
Czechoslovakia.....	2.4	18.0	25.0	25.0	25.0
Hungary.....	0	2.0	6.0	7.0	7.0
Rumania.....	N.A.	N.A.	N.A.	10.6	9.6
Fishing					
Thousand Gross Register Tons					
Sino-Soviet Bloc.....	<b>71.8</b>	<b>101</b>	<b>151</b>	<b>233</b>	<b>229</b>
USSR.....	9.9	22.5	84.0	138.7	122.2
Communist China.....	0	6.0	N.A.	N.A.	N.A.
North Korea.....	2.5	5.0	N.A.	N.A.	N.A.
European Satellites.....	<b>59.4</b>	<b>67.4</b>	<b>66.6</b>	<b>94.2</b>	<b>106</b>
East Germany.....	55.4	48.5	23.6	29.9	48.4
Poland.....	4.0	18.9	43.0	64.3	58.1

\* Including only countries in which domestic construction is a significant percentage of over-all construction.

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Table 101

Production of Mainline Locomotives <sup>a</sup>  
 Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>4,940*</b>	<b>3,630*</b>	<b>4,390*</b>	<b>N.A.*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	3,144*	1,664*	1,385*	1,237*	990*	
Sino-Soviet Bloc.....	<b>1,940*</b>	<b>1,760 <sup>d</sup></b>	<b>1,790 <sup>d</sup></b>	<b>2,620 <sup>d</sup></b>	<b>3,430</b>	
USSR.....	1,212*	982*	1,056*	1,437*	1,699*	2,700* <sup>e</sup>
Communist China.....	0*	98*	350*	532*	700	
European Satellites.....	<b>731*</b>	<b>685 <sup>d</sup></b>	<b>385 <sup>d</sup></b>	<b>650 <sup>d</sup></b>	<b>1,030</b>	
Czechoslovakia <sup>f</sup> .....	221*	175*	152*	162	290*	830*
East Germany.....	0	N.A.	N.A.	N.A.	260 <sup>f</sup>	
Hungary <sup>f</sup> .....	214*	148*	100	150	200	
Poland.....	240*	308*	85* <sup>f</sup>	259* <sup>f</sup>	182* <sup>f</sup>	
Rumania.....	56*	54*	48*	79*	100 <sup>f</sup>	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada.....	417*	375*	Italy <sup>g</sup> .....	112*	127*	West Germany...	1,031*	946*
France.....	385*	245*	UK.....	1,063*	N.A.*			

<sup>a</sup> Including all types (diesel, diesel-electric, electric, and steam). For detailed data for diesel and electric locomotives, see Tables 102 and 103 (p. 96, below.) A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Canada, France, Italy, the UK, and the US; for 1950 only, Denmark; for all years except 1955, West Germany.

<sup>c</sup> Data refer to units put in service on first-class railroads and include mainline locomotives exported in the following amounts: for 1950, 756; for 1955, 482; for 1958, 951; for 1959, 395; and for 1960, 624.

<sup>d</sup> Minimum production based on the data shown below.

<sup>e</sup> Upper limit of the range of planned production for 1965 of 2,550 to 2,700.

<sup>f</sup> Perhaps including nonmainline types.

<sup>g</sup> Data for Italy include only locomotives produced for state railroads.

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## MANUFACTURED ITEMS

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Table 102

Production of Mainline Diesel Locomotives, Selected Countries of NATO and of the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
France <sup>b</sup> .....	43* <sup>c</sup>	172*	229*	113*	143*	
UK.....	515*	760*	958*	N.A. *	N.A. *	
US <sup>d</sup> .....	2,376*	1,172*	430*	835*	430*	
Sino-Soviet Bloc <sup>e</sup> .....	125*	169	871	1,300	1,780	
USSR.....	125*	134*	712*	1,002*	1,303*	1,700 <sup>f</sup>
Communist China.....	0*	0*	2	3*	0	
European Satellites <sup>e</sup> *.....	N.A.	35	157	300	475	
Czechoslovakia <sup>g</sup> .....	0*	31*	59*	81*	121*	600*
East Germany.....	0	N.A.	N.A.	N.A.	N.A.	180*
Hungary <sup>g</sup> .....	N.A.	4*	98*	134*	200	
Poland <sup>g</sup> .....	N.A.	N.A.	N.A.	85*	144	
Rumania.....	N.A.	N.A.	N.A.	N.A.	10	95*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Diesel-electric.

<sup>c</sup> Data for 1952.

<sup>d</sup> Diesel-electric. Data refer to units put into service on first-class railroads but do not include exports.

<sup>e</sup> Minimum production based on the data shown below.

<sup>f</sup> Estimated plan for 1965.

<sup>g</sup> Perhaps including nonmainline types.

Table 103

Production of Mainline Electric Locomotives in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	12*	10*	4*	7*	15*	
Sino-Soviet Bloc <sup>c</sup> .....	N.A.	227	413	547	603	
USSR.....	102*	194*	344*	435*	396*	1,000 <sup>d</sup>
Communist China.....	0*	0*	0*	1*	0	
European Satellites <sup>e</sup> .....	N.A.	33	69	111	207	
Czechoslovakia <sup>e</sup> .....	N.A.	29*	52	81*	169*	230*
Hungary.....	1*	4	N.A.	N.A.	N.A.	
Poland.....	0*	0*	17*	30*	38*	

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data refer to units put into service on first-class railroads but do not include exports.

<sup>c</sup> Minimum production based on the data shown below.

<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Perhaps including nonmainline types.

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Table 104  
Production of Mainline Railroad Freight Cars <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>96.6*</b>	<b>129*</b>	<b>107*</b>	<b>N.A.*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	44.21*	42.06*	44.28*	38.45*	57.31*	
Sino-Soviet Bloc.....	<b>78.0*</b>	<b>68.2</b>	<b>75.4</b>	<b>89.9</b>	<b>95.4</b>	
USSR.....	50.80*	34.40*	40.30*	38.60*	36.40*	50 <sup>d</sup>
Communist China.....	N.A.	9.26	11.00*	19.67*	27.00	
North Korea.....	0*	0*	0.54	0.70	0.80	
North Vietnam.....	0*	0*	0*	0.13	0.49*	
European Satellites.....	<b>27.2*</b>	<b>24.5*</b>	<b>23.6</b>	<b>30.8</b>	<b>30.7</b>	
Bulgaria.....	0*	0.99*	1.29*	2.00*	1.20	
Czechoslovakia.....	2.11*	5.55*	5.36*	8.00	6.00	
East Germany.....	6.35*	4.00*	3.08	2.96	5.00	
Hungary.....	1.23*	0.57*	0.60	0 <sup>e</sup>	0 <sup>e</sup>	
Poland.....	15.44*	11.92*	9.78*	13.46*	13.89*	14*
Rumania.....	2.09*	1.46*	3.47*	4.39*	4.61*	6*

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Canada.....	5.31*	3.58*	Italy <sup>f</sup> .....	3.26*	3.37*	West Germany..	5.59*	N.A.*
France.....	6.78*	8.59*	UK.....	41.89*	N.A.*			

<sup>a</sup> Including cars of two, four, or more axles. Although the European NATO countries still are producing some smaller cars, most production in the US, the USSR, and the European Satellites now consists of four-axle units. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, Canada, France, Italy, the UK, the US, and West Germany, and for 1950 only, Norway.

<sup>c</sup> Shipments.

<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Production is believed to have been discontinued except for a few special types.

<sup>f</sup> Data for Italy include railroad passenger cars for 1955 and 1958-59.

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## MANUFACTURED ITEMS

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Table 105  
Production of Automobiles \*  
Selected Years, 1950-60, and 1965 Plan

Thousand Units						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> . . . . .	<b>8,050*</b>	<b>10,700*</b>	<b>8,080*</b>	<b>10,000*</b>	<b>11,700*</b>	
US <sup>c</sup> . . . . .	6,665.9*	7,920.0*	4,257.8*	5,591.2*	6,674.8*	
Sino-Soviet Bloc <sup>d</sup> . . . . .	<b>96.4</b>	<b>146*</b>	<b>217</b>	<b>242*</b>	<b>270</b>	
USSR . . . . .	64.6*	107.8*	122.2*	124.5*	138.8*	200.0*
Communist China . . . . .	0*	0*	1.0	N.A.	N.A.	
European Satellites . . . . .	<b>31.8</b>	<b>38.7*</b>	<b>93.5</b>	<b>118*</b>	<b>131</b>	
Czechoslovakia . . . . .	24.5*	12.5*	43.4*	50.5*	56.2*	110.0*
East Germany . . . . .	7.2*	22.2*	38.4	52.8*	62.0	108.0*
Poland . . . . .	0.1 <sup>e</sup>	4.0*	11.7*	14.2*	12.8*	22.5*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada . . . .	301.8*	325.8*	Italy <sup>a</sup> . . . . .	470.7*	596.0*	West Germany . .	1,356.3*	1,674.4*
France <sup>f</sup> . . .	1,085.2*	1,118.1*	UK . . . . .	1,190.0*	1,352.8*			

## Other Countries

Country	1959	1960
Japan . . . . .	78.6*	165.1*

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada, France, Italy, the UK, the US, and West Germany.

<sup>c</sup> Factory sales, including parts shipped for assembly abroad.

<sup>d</sup> Including jeeps.

<sup>e</sup> Data for 1951.

<sup>f</sup> Including buses.

<sup>a</sup> Excluding production for the armed forces.

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MANUFACTURED ITEMS

Table 106  
Production of Commercial Vehicles <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>1,920*</b>	<b>2,080*</b>	<b>1,800*</b>	<b>2,170*</b>	<b>2,380*</b>	
US <sup>c</sup>	1,337.2*	1,249.1*	877.2*	1,137.6*	1,194.6*	
Sino-Soviet Bloc	<b>310*</b>	<b>387*</b>	<b>462</b>	<b>451</b>	<b>479</b>	
USSR	298.3*	337.5*	388.9*	370.5*	384.8*	656.0*
Communist China	0*	0*	15.0	19.2	23.0	
North Korea	0*	0*	<i>Negl.*</i>	0.1*	3.1*	
European Satellites	<b>12.1*</b>	<b>49.7*</b>	<b>58.0*</b>	<b>61.3*</b>	<b>68.5</b>	
Czechoslovakia	7.3*	14.0*	15.9*	16.5*	17.4*	22.3*
East Germany	1.1*	14.9*	16.4*	15.7*	12.7	18.4*
Hungary	2.9*	5.0*	5.1*	5.0*	4.8*	
Poland	0.8*	12.8*	13.8*	16.7*	21.5*	34.0*
Rumania	0*	3.0*	6.8*	7.4*	12.1*	

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Canada <sup>d</sup>	67.2*	70.6*	Italy	30.2*	48.8*	West Germany	362.4*	375.4*
France	198.0*	233.7*	UK	370.8*	457.9*			

## Other Countries

Country	1959	1960
Japan	184.2*	317.4*

<sup>a</sup> Including light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Canada, France, Italy, the UK, the US, and West Germany.

<sup>c</sup> Factory sales, including parts shipped for assembly abroad.

<sup>d</sup> Shipments.

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Table 107

Inland Transport Performance, in Ton-Kilometers, \* in the US and the USSR  
Selected Years, 1950-60

Country and Category	Billion Metric Ton-Kilometers						
	1950	1955	1956	1957	1958	1959	1960
Total US . . . . .	<b>2,010*</b>	<b>2,400*</b>	<b>2,530*</b>	<b>2,500*</b>	<b>2,300*</b>	<b>2,430*</b>	<b>2,580*</b>
Railroads . . . . .	918*	956*	988*	941*	839*	895*	898*
Motor vehicles <sup>b</sup> . . . . .	325*	421*	463*	470*	474*	538*	548*
Domestic shipping <sup>c</sup> . . . . .	579*	726*	745*	767*	676*	667*	791*
Petroleum pipelines . . . . .	189*	297*	336*	325*	308*	331*	345*
Total USSR . . . . .	<b>693</b>	<b>1,130</b>	<b>1,260</b>	<b>1,420</b>	<b>1,550</b>	<b>1,710</b>	<b>1,820</b>
Railroads . . . . .	602*	971*	1,079*	1,213*	1,302*	1,430*	1,504*
Motor vehicles <sup>b</sup> . . . . .	20*	42*	48*	62*	77*	88*	98*
Domestic shipping <sup>d</sup> . . . . .	66	102	112	123	139	153	165
Petroleum pipelines . . . . .	5*	15*	20*	27*	34*	42*	51*

<sup>a</sup> Excluding airfreight transport. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Highway freight traffic, including urban and rural traffic.

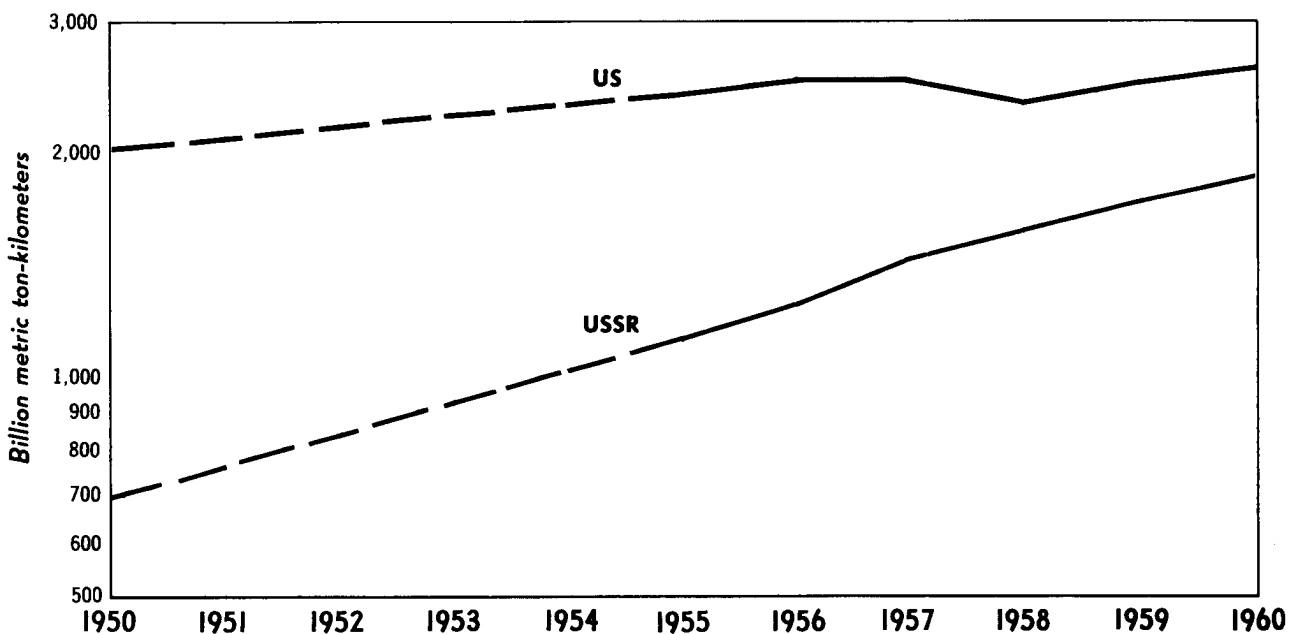
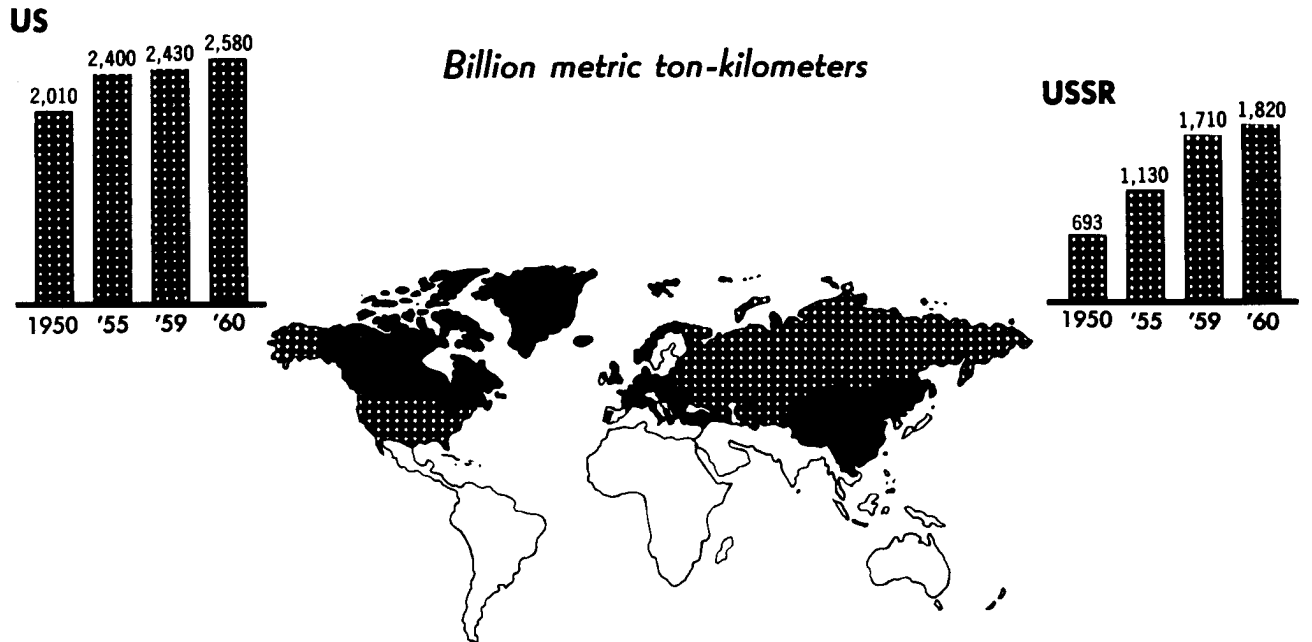
<sup>c</sup> Domestic freight by water, including inland waterway freight and estimated coastal and intercoastal freight traffic.

<sup>d</sup> Domestic freight by water, including totals for inland waterway freight plus about 50 percent of the freight carried by the maritime fleet.

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Figure 18

# COMPARISON OF TON-KILOMETER PERFORMANCE BY INLAND TRANSPORT IN THE US AND THE USSR, SELECTED YEARS, 1950-60



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Table 108  
 Railroad Freight Traffic, in Ton-Kilometers <sup>a</sup>  
 Selected Years, 1950-60, and 1965 Plan

Billion Metric Ton-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>1,150*</b>	<b>1,220*</b>	<b>1,100*</b>	<b>1,160*</b>	<b>1,170*</b>	
US	917.54*	955.66*	839.14*	895.32*	898.00*	
Sino-Soviet Bloc	<b>729*</b>	<b>1,210*</b>	<b>1,660*</b>	<b>1,870*</b>	<b>2,020</b>	
USSR	602.30*	970.90*	1,302.00*	1,429.50*	1,504.40*	1,850.0* <sup>c</sup>
Communist China	39.41*	98.15*	185.52*	263.40*	320.00	
North Korea	2.48*	3.79*	6.29*	7.80*	9.10*	
North Vietnam	N.A.	0.04*	0.29*	0.50	0.70	
European Satellites	<b>84.4*</b>	<b>137*</b>	<b>162*</b>	<b>173*</b>	<b>186</b>	
Albania	0.01*	0.02*	0.03*	0.05*	0.05	
Bulgaria	2.58*	4.12*	5.24*	6.29*	7.05	11.6 <sup>d</sup>
Czechoslovakia	18.63*	31.70*	42.67*	44.10*	47.41*	59.0*
East Germany	15.06*	25.22*	30.10*	31.65*	33.00	37.4*
Hungary <sup>e</sup>	5.42*	8.80*	10.24*	11.71*	13.35*	16.2 <sup>d</sup>
Poland	35.14*	51.97*	57.19*	61.67*	66.20	77.8 <sup>d</sup>
Rumania	7.60*	14.68*	17.02*	17.48*	18.50	23.0 <sup>d</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium <sup>f</sup>	6.01*	6.42*	Italy <sup>g</sup>	14.33*	15.80*	Portugal	0.76*	0.77*
Canada	98.96*	97.08*	Luxembourg <sup>h</sup>	0.60*	0.64*	Turkey	4.86*	4.43*
Denmark <sup>h</sup>	1.34*	1.36*	Netherlands <sup>k</sup>	3.22*	3.41*	UK <sup>n</sup>	28.96*	30.50*
France	53.38*	56.75*	Norway <sup>l</sup>	1.40*	1.63*	West Germany <sup>o</sup>	47.98*	52.44*
Greece <sup>i</sup>	0.36*	0.31*						

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
India <sup>b l p</sup>	78.62*	80.37*	Japan <sup>q h a</sup>	49.06*	52.57*	Yugoslavia <sup>l</sup>	13.97*	15.17*

<sup>a</sup> Unless otherwise indicated, data refer to net metric ton-kilometers and include all goods and livestock carried during the calendar year by trains other than plantation, industrial, mining, funicular, and cable railroads but exclude service traffic, mail, and nonrevenue government stores. Data include domestic, import, export, and transit freight traffic. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the US specifically include revenue and nonrevenue freight traffic on Class I and II railroads. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland.

<sup>c</sup> Upper limit of the range for 1965 of 1,800 billion to 1,850 billion metric ton-kilometers.

<sup>d</sup> Estimated performance for 1965.

<sup>e</sup> Including performance of railroads owned jointly by Hungary and Austria and performance by narrow-gauge railroads for "limited public use."

<sup>f</sup> Full carloads only; excluding military traffic.

<sup>g</sup> State railroads.

<sup>h</sup> Data are for years beginning 1 April of the stated year.

<sup>i</sup> Including military and government traffic.

<sup>j</sup> Excluding livestock.

<sup>k</sup> Full carloads only.

<sup>l</sup> Including service traffic.

<sup>m</sup> Data are for years beginning 1 July of the stated year.

<sup>n</sup> Excluding Northern Ireland. Including service traffic.

<sup>o</sup> Federal railroads.

<sup>p</sup> Government railroads, broad and meter gauge only.

<sup>q</sup> Including revenue service traffic.

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Table 109  
Railroad Freight Traffic, in Tons Carried <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons Carried						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	2,250*	2,390*	2,150*	2,210*	2,340*	
US.....	1,289.01*	1,323.36*	1,131.63*	1,172.61*	1,200.00*	
Sino-Soviet Bloc.....	1,420*	2,220	2,850	3,210	3,510	
USSR.....	834.30*	1,267.00*	1,616.90*	1,763.80*	1,884.90*	2,372
Communist China.....	99.83*	193.76*	381.09*	542.00*	660.00*	
North Korea.....	11.27*	16.76*	28.03*	35.16*	38.70*	
North Vietnam.....	N.A.	0.43	1.68	3.33	4.31	
European Satellites.....	476*	737*	827*	866*	926	
Albania.....	0.24*	0.35*	0.57*	0.74*	0.90	
Bulgaria.....	14.04*	23.75*	29.72*	35.13*	38.77	63*
Czechoslovakia.....	96.01*	140.22*	174.35*	180.51*	194.08*	259*
East Germany.....	128.50*	207.51*	227.20*	229.20*	237.80	282*
Hungary <sup>c</sup> .....	41.46*	70.05*	78.52*	86.50*	95.98*	108*
Poland.....	160.30*	236.40*	249.95*	264.55*	286.20*	324*
Rumania.....	35.07*	58.96*	66.64*	68.97*	71.80	87 <sup>d</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium <sup>e</sup>	58.08*	62.10*	Italy <sup>f</sup>	50.10*	57.03*	Portugal	3.77*	3.73*
Canada	150.68*	167.48*	Luxembourg			Turkey	15.28*	13.67*
Denmark <sup>f</sup>	6.58*	6.74*	Netherlands	17.30*	18.72*	UK <sup>g</sup>	238.02*	248.90*
France	212.72*	226.60*	Norway <sup>h</sup>	24.58*	26.51*	West Germany <sup>m</sup>	251.22*	299.50*
Greece <sup>h</sup>	2.27*	1.90*		5.23*	5.50*			

## Other Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
India <sup>k</sup>	137.00*	143.20*	Japan <sup>l</sup>	172.90*	183.53*	Yugoslavia <sup>k</sup>	60.68*	65.24*

<sup>a</sup> Unless otherwise indicated, data include all goods and livestock carried during the calendar year by trains other than plantation, industrial, mining, funicular, and cable railroads but exclude service traffic, mail, and nonrevenue government stores. Data include domestic, import, export, and transit freight traffic. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the US are in tons originated, thus giving a more realistic comparison with other NATO countries and countries of the Sino-Soviet Bloc. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Iceland.

<sup>c</sup> Including performance of railroads owned jointly by Hungary and Austria and performance by narrow-gauge railroads for "limited public use."

<sup>d</sup> Estimated performance for 1965.

<sup>e</sup> Full carloads only; excluding military traffic.

<sup>f</sup> State railroads.

<sup>g</sup> Data are for years beginning 1 April of the stated year.

<sup>h</sup> Including military and government traffic.

<sup>i</sup> Excluding livestock.

<sup>j</sup> Data are for years beginning 1 July of the stated year.

<sup>k</sup> Including service traffic.

<sup>l</sup> Excluding Northern Ireland.

<sup>m</sup> Federal railroads.

<sup>n</sup> Government railroads, broad and meter gauge only.

<sup>o</sup> Including revenue service traffic.

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Table 110  
Highway Freight Traffic, in Ton-Kilometers, \* in the US and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Million Metric Ton-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	325,000*	421,000*	474,000*	538,000*	548,000*	
Sino-Soviet Bloc.....	<b>25,900</b>	<b>57,800</b>	<b>101,000</b>	<b>117,000</b>	<b>134,000</b>	
USSR.....	20,100*	42,500*	76,800*	87,600*	98,500*	146,000*
Communist China.....	380*	2,520*	6,960*	10,300	12,900	
North Korea.....	27*	138*	364*	520*	567*	
North Vietnam.....	N.A.	N.A.	60*	88*	110	
European Satellites <sup>c</sup> .....	<b>5,380</b>	<b>12,600</b>	<b>16,600</b>	<b>18,700</b>	<b>21,800</b>	
Albania.....	35* <sup>d</sup>	93* <sup>d</sup>	234*	295*	327	
Bulgaria.....	300	735*	1,150*	1,375	1,700	3,000 <sup>e</sup>
Czechoslovakia.....	1,260	2,720*	3,980*	4,780*	5,750	9,400*
East Germany.....	1,945*	3,194*	4,147*	4,622*	5,400	6,800*
Hungary.....	140	950	1,000	1,120	1,580	2,000 <sup>e</sup>
Poland.....	1,200	3,700*	4,600	5,000	5,400*	7,500 <sup>e</sup>
Rumania.....	500	1,200	1,500	1,550	1,600	3,400 <sup>e</sup>

\* Unless otherwise indicated, including traffic by trucks, whether on improved roads or not, but excluding primitive modes of transportation. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including urban and rural traffic. Data from the US Bureau of Public Roads for 1950 and 1955 have been revised downward by an arbitrary 4 percent in lieu of a revision now in process by the Bureau of Public Roads.

<sup>c</sup> Data refer to traffic by state automotive transport organizations, cooperatives, branch enterprises, and transport units of industries, plants, offices, and the like.

<sup>d</sup> Performance by public carriers only.

<sup>e</sup> Estimated performance for 1965.

Table 111  
Highway Freight Traffic, in Tons Carried, in the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons Carried						
Country	1950	1955	1958	1959	1960	1965 Plan
Sino-Soviet Bloc.....	<b>2,210</b>	<b>4,580</b>	<b>7,810</b>	<b>9,100</b>	<b>10,300</b>	
USSR.....	1,859.2*	3,730.0*	6,474.4*	7,398.3*	8,277.0*	10,500*
Communist China.....	9.2*	49.0*	176.3*	344.0	430.0	
North Korea.....	1.1*	8.8*	40.0*	66.0*	79.0*	
North Vietnam.....	N.A.	N.A.	3.0	4.4	6.5	
European Satellites <sup>b</sup> .....	<b>336</b>	<b>796</b>	<b>1,120</b>	<b>1,290</b>	<b>1,470</b>	
Albania.....	0.5* <sup>c</sup>	1.4* <sup>c</sup>	8.0*	10.1*	11.2	
Bulgaria.....	20.0*	37.8*	68.3*	83.3	105.0	185 <sup>d</sup>
Czechoslovakia.....	111.3*	222.5*	334.8*	395.1*	450.0	623*
East Germany.....	87.3*	169.1*	226.5*	256.7*	270.3	352*
Hungary.....	10.9	59.6	71.2	86.5	121.5	154*
Poland.....	93.9*	273.0*	330.1	356.0	392.0	500*
Rumania.....	12.5	33.0	79.0	103.0	123.0	225 <sup>d</sup>

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data refer to traffic by state automotive transport organizations, cooperatives, branch enterprises, and transport units of industries, plants, offices, and the like.

<sup>c</sup> Public only.

<sup>d</sup> Estimated performance for 1965.

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Table 112  
Inland Water Freight Traffic, in Ton-Kilometers \*  
Selected Years, 1950-60, and 1965 Plan

Million Metric Ton-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>112,000*</b>	<b>200,000*</b>	<b>223,000*</b>	<b>235,000*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	75,417*	142,584*	159,328*	170,348*	N.A.*	
Sino-Soviet Bloc <sup>d</sup> .....	<b>52,100</b>	<b>88,200</b>	<b>117,000</b>	<b>141,000</b>	<b>157,000</b>	
USSR.....	46,200*	67,700*	85,500*	93,600*	99,600*	140,000*
Communist China.....	1,950	14,250	25,070	40,200	50,600	
North Vietnam.....	N.A.	N.A.	164	225	310	
European Satellites.....	<b>3,910*</b>	<b>6,220*</b>	<b>6,710*</b>	<b>6,700*</b>	<b>6,920</b>	
Bulgaria.....	158*	372*	391*	444*	575	440 °
Czechoslovakia.....	764*	1,485*	1,784*	1,736*	1,870	3,160 °
East Germany.....	1,579*	2,168*	2,398*	2,376*	2,060	3,600*
Hungary.....	478*	765*	857*	889*	1,030	1,200 °
Poland.....	260*	780*	696*	639*	740	1,500 °
Rumania.....	669*	648*	585*	611*	650	800 °

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	4,326*	4,813*	Netherlands..	16,962*	17,296*	West Germany..	32,768*	33,098*
France.....	9,425*	9,450*	UK.....	272*	268*			

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Belgium, France, the Netherlands, the UK, the US, and West Germany.

<sup>c</sup> Excluding traffic on the Great Lakes. Reporting coverage increased slightly after 1952. Excluding Alaska and Hawaii.

<sup>d</sup> Data for North Korea are included with ocean freight traffic in Table 114 (p. 106, below).

• Estimated performance for 1965.



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Table 113  
Inland Water Freight Traffic, in Tons Carried <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons Carried						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>510*</b>	<b>694*</b>	<b>722*</b>	<b>752*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	270.06*	328.90*	332.48*	352.90*	N.A.*	
Sino-Soviet Bloc.....	<b>113</b>	<b>190</b>	<b>262</b>	<b>311</b>	<b>353</b>	
USSR.....	91.80*	139.50*	178.30*	192.00*	210.30*	267.00*
Communist China.....	5.62	26.67	56.66	91.40	115.00	
North Korea <sup>d</sup> .....	0.49*	0.81*	1.98*	2.80*	3.10*	
European Satellites.....	<b>15.2*</b>	<b>23.3*</b>	<b>25.2*</b>	<b>25.1*</b>	<b>24.4</b>	
Bulgaria.....	0.43*	0.92*	1.15*	1.30*	1.50	1.25 <sup>e</sup>
Czechoslovakia.....	1.34*	2.84*	3.25*	3.13*	3.53*	5.70*
East Germany.....	10.00*	12.90*	14.86*	14.48*	12.50	20.50*
Hungary.....	1.11*	1.75*	1.89*	2.10*	2.31	2.70*
Poland.....	1.24*	3.32*	2.48*	2.53*	2.95*	5.20*
Rumania.....	1.11*	1.60*	1.56*	1.57*	1.60	2.00 <sup>e</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	51.23*	54.41*	Italy.....	2.39*	2.45*	UK.....	9.45*	9.18*
France.....	63.47*	62.34*	Netherlands..	126.14*	128.78*	West Germany..	137.00*	141.59*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Belgium, France, Italy, the Netherlands, the UK, the US, and West Germany.

<sup>c</sup> Including all inland, intraport, and local water traffic and excluding Great Lakes traffic.

<sup>d</sup> Including both inland and coastal water freight traffic.

<sup>e</sup> Estimated performance for 1965.

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Table 114  
Ocean Freight Traffic, in Ton-Kilometers, in the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Metric Ton-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan <sup>b</sup>
Sino-Soviet Bloc.....	<b>50,800</b>	<b>99,400</b>	<b>157,000</b>	<b>190,000</b>	<b>226,000</b>	
USSR <sup>c</sup> .....	39,700*	68,900*	106,300*	115,700*	131,400*	233,800
Communist China <sup>d</sup> .....	950	10,190	18,840	28,600	36,000	
North Korea <sup>e</sup> .....	27*	23*	69*	104*	136*	
North Vietnam <sup>d</sup> .....	N.A.	N.A.	55	67	80	
European Satellites.....	<b>10,100*</b>	<b>20,300*</b>	<b>31,600*</b>	<b>46,000</b>	<b>58,200</b>	
Albania <sup>f</sup> *.....	11*	17*	29*	43	287	1,000
Bulgaria *.....	325*	919*	2,099*	2,102*	4,400	9,800
Czechoslovakia.....	0*	2,272*	2,367*	4,123*	5,370	12,200
East Germany *.....	Negl.*	480*	3,738*	9,096*	10,470*	23,400
Hungary.....	59*	82*	129*	187*	230*	620
Poland <sup>h</sup> .....	9,090*	15,806*	22,335*	29,460*	36,320	57,900
Rumania *.....	611*	712*	952*	981*	1,100	4,400

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated performance for 1965.

<sup>c</sup> Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

<sup>d</sup> Coastal traffic only.

<sup>e</sup> Including both coastal and inland water traffic.

<sup>f</sup> Including the performance of vessels of less than 1,000 gross register tons.

\* Including both coastal and international freight traffic.

<sup>h</sup> Perhaps excluding the performance of some ships flying the Polish flag but not controlled by Poland. (There were as many as 18 ships, totaling 195,000 deadweight tons, at the end of 1960 in this category.) It is possible that the performance of one-half of these is included, but no definite information is available.

Table 115  
Passenger-Kilometers Flown by Civil Air Carriers in the US and the USSR <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Billion Passenger-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	16.43*	39.01*	50.66*	58.49*	62.54*	
USSR.....	1.18*	2.80*	6.50*	9.30*	13.50	45.00 <sup>c</sup>

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Revenue passenger-kilometers.

<sup>c</sup> Estimated performance for 1965.

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Table 116  
Civil Air Freight Traffic, in Ton-Kilometers, \* in the US and the USSR  
Selected Years, 1950-60, and 1965 Plan

Million Metric Ton-Kilometers						
Country	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	303*	896*	1,133*	1,311*	1,453*	
USSR.....	214*	396*	619*	692*	874*	2,600*

\* Including express, freight, and mail traffic. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Revenue traffic, excluding charter flights.

Table 117  
Petroleum Pipeline Transportation, in Ton-Kilometers, in the US and the Sino-Soviet Bloc \*  
Selected Years, 1950-60, and 1965 Plan

Billion Metric Ton-Kilometers							
Country	1950	1955	1956	1957	1958	1959	1960 1965 Plan
US.....	188.6*	296.7*	335.7*	325.2*	308.5*	331.4*	344.6*
Sino-Soviet Bloc <sup>b</sup> .....	5.1*	15.1*	21.0*	27.3*	34.6*	42.5*	52.3
USSR.....	4.9*	14.7*	20.5*	26.6*	33.8*	41.6*	51.3* 185*
European Satellites.....	0.2*	0.4*	0.5*	0.7*	0.8*	0.9*	1.0
Rumania.....	0.2*	0.4*	0.5*	0.7*	0.8*	0.9*	1.0

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Performance in the countries of the Sino-Soviet Bloc other than in the USSR and Rumania is negligible.

Table 118  
Petroleum Pipeline Transportation, in Tons Carried, in the US and the Sino-Soviet Bloc \*  
Selected Years, 1950-60, and 1965 Plan

Million Metric Tons Carried							
Country	1950	1955	1956	1957	1958	1959	1960 1965 Plan
US.....	240.6*	343.8*	374.0*	372.9*	361.2*	394.2*	N.A.*
Sino-Soviet Bloc <sup>b</sup> .....	16.3*	53.7*	67.4*	84.3*	98.6*	116*	135
USSR.....	15.3*	51.7*	65.3*	80.9*	94.9*	111.3*	130.1* 170*
European Satellites.....	1.0*	2.0*	2.1*	3.4*	3.7*	4.5*	4.9
Rumania.....	1.0*	2.0*	2.1*	3.4*	3.7*	4.5*	4.9

\* Data for the US are in tons originated, thus giving a more realistic comparison with countries of the Sino-Soviet Bloc. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Performance in the countries of the Sino-Soviet Bloc other than in the USSR and Rumania is negligible.

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Table 119  
Inventory of Locomotives <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>108,000*</b>	<b>89,500*</b>	<b>84,500*</b>	<b>81,600*</b>	<b>N.A.*</b>	
US.....	42,951*	33,533*	31,616*	31,539*	31,150*	
Sino-Soviet Bloc.....	<b>N.A.</b>	<b>61,600</b>	<b>63,000</b>	<b>61,800</b>	<b>63,700</b>	
USSR.....	31,468	34,820	35,979	33,181	34,048	26,343 <sup>c</sup>
Communist China.....	N.A.	3,500	4,250	5,550	6,000	
North Korea.....	N.A.	N.A.	N.A.	N.A.	350	
North Vietnam.....	N.A.	60	60	60	70	
European Satellites.....	<b>N.A.</b>	<b>23,200</b>	<b>22,800</b>	<b>23,000</b>	<b>23,200</b>	
Albania.....	7	7	7	9	9	
Bulgaria.....	571	604	625	625	635	
Czechoslovakia.....	4,050	5,134*	5,144*	5,189*	5,230	
East Germany.....	6,762	6,476	5,670	5,900	6,060	
Hungary.....	2,231*	2,322*	2,400	2,450	2,460	
Poland.....	N.A.	5,600	5,910	5,850	5,800	
Rumania.....	N.A.	3,048	2,996	3,002	3,012	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	1,716*	1,557*	Italy.....	5,402*	5,227*	Portugal.....	481*	N.A.*
Canada.....	4,823*	4,720*	Luxembourg...	123*	117*	Turkey.....	946*	987*
Denmark.....	672*	652*	Netherlands...	697*	697*	UK <sup>d</sup> .....	17,381*	16,342*
France.....	9,218*	8,418*	Norway.....	479*	473*	West Germany.	10,688*	10,177*
Greece.....	216*	N.A.*						

<sup>a</sup> Including diesel-electric, steam, and electric locomotives. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Iceland. The total for 1959 includes data for 1958 for Greece and Portugal.

<sup>c</sup> Estimated inventory for 1965.

<sup>d</sup> Including Northern Ireland.

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Table 120  
Inventory of Railroad Freight Cars \* in the US and Selected Countries of the Sino-Soviet Bloc  
Selected Years, 1950-60

					Thousand Units
Country	1950	1955	1958	1959	1960
US <sup>b</sup>	2,009.0*	1,997.0*	1,999.6*	1,948.6*	N.A.*
USSR <sup>c</sup>	784.1	832.2	875.9	889.0	893.4
Communist China <sup>d</sup>	50.0	74.0	97.0	115.0	135.0
North Korea <sup>d</sup>	N.A.	N.A.	10.0	N.A.	10.5
North Vietnam	N.A.	0.7	0.9	N.A.	1.0
Albania <sup>e</sup>	N.A.	0.2	0.3	0.4	0.5
Bulgaria	12.8	16.3	18.8	21.4	22.8
Czechoslovakia	85.1	119.7*	128.4*	131.0*	134.0
East Germany <sup>e</sup>	99.8	144.7	147.0	148.2	149.4
Hungary <sup>e</sup>	52.2	58.2	59.5	60.8	62.0
Poland <sup>e</sup>	178.0	210.0	232.0	242.0	249.0
Rumania	N.A.	52.2	55.0	55.3	55.5

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium	78.9*	76.5*	Italy	131.1*	132.7*	Portugal	10.2*	N.A.*
Canada	196.9*	199.4*	Luxembourg	3.7*	3.6*	Turkey	17.1*	17.1*
Denmark	13.3*	13.0*	Netherlands	23.2*	23.1*	UK	1,025.1*	965.0*
France	373.7*	368.0*	Norway	12.5*	12.1*	West Germany	304.3*	310.6*
Greece	6.3*	N.A.*						

\* Including cars of two, four, or more axles. The size of the car is given in the footnotes if it is known. Because of the lack of comparability in data, totals for NATO and the Sino-Soviet Bloc are omitted. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> All freight cars in the US have four axles or more.

<sup>c</sup> Of the freight cars in the USSR, 75 percent were four-axle or multiaxle units in 1960.

<sup>d</sup> Most Chinese Communist and North Korean cars have four axles.

<sup>e</sup> Excluding narrow-gage rolling stock.

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Table 121  
Inventory of Trucks \*  
Selected Years, 1950-60, and 1965 Plan

Thousand Units						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>11,300*</b>	<b>14,700*</b>	<b>16,200*</b>	<b>17,000*</b>	<b>N.A.*</b>	
US	8,272.2*	9,893.4*	10,659.3*	11,142.2* <sup>c</sup>	12,299.0* <sup>c,d</sup>	
Sino-Soviet Bloc	<b>N.A.</b>	<b>1,600</b>	<b>2,410</b>	<b>2,750</b>	<b>3,230</b>	
USSR	602.3	1,275.0*	1,947.7	2,250.0	2,672.0	3,350 *
Communist China	40.0	65.0	96.0	110.0	125.0	
North Korea	N.A.	N.A.	N.A.	N.A.	13.0 <sup>f</sup>	
North Vietnam	N.A.	N.A.	3.0	3.0	3.0	
European Satellites	<b>N.A.</b>	<b>265</b>	<b>368</b>	<b>386</b>	<b>417</b>	
Albania	1.2	1.8	2.5	2.8	3.1	
Bulgaria	N.A.	9.0	19.0	19.6	20.0	
Czechoslovakia	N.A.	61.5	82.0	85.0	88.0	
East Germany	N.A.	89.1	105.8	110.0	115.0	
Hungary	4.4	18.0	22.3	23.6	25.5	
Poland	39.5*	73.2*	102.4*	108.6	125.0	
Rumania	N.A.	12.0	33.5	36.0	40.0	

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium	155.9*	163.0*	Iceland <sup>d</sup>	5.9*	6.0*	Portugal	57.3*	58.8*
Canada	1,067.6*	1,120.6*	Italy	511.6*	559.7*	Turkey	36.9*	39.4*
Denmark	127.3*	146.4*	Luxembourg	7.6*	7.6*	UK	1,289.0*	1,331.0*
France	1,432.1*	1,484.0*	Netherlands	130.0*	143.7*	West Germany	644.4*	644.0*
Greece	25.8*	28.0*	Norway	94.5*	101.1*			

\* Data for NATO are based on census or registration numbers of civilian vehicles in the years for which those data are available. Otherwise the officially estimated number of vehicles in use is shown. Unless otherwise indicated, data for the Sino-Soviet Bloc refer to civilian vehicles as of the end of the year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for 1950, Greece. The total for 1955 includes data for 1954 for Belgium and Greece.

<sup>c</sup> Including Alaska and Hawaii.

<sup>d</sup> Including buses.

<sup>e</sup> Estimated inventory for 1965.

<sup>f</sup> Including jeeps.

Table 122  
Inventory of Merchant Fleet <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	1950		1958		1959		1960		1965 Plan <sup>b</sup>	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO <sup>c</sup> .....	9,530*	60,400*	10,500*	72,700*	10,800*	76,700*	10,800*	79,800*		
US <sup>d</sup> .....	3,516*	26,114*	3,047*	23,840*	3,047*	24,220*	2,960*	23,870*		
Sino-Soviet Bloc.....	573	1,880	963	3,550	1,050	4,010	1,170	4,740		
USSR <sup>e</sup> .....	471	1,564	721	2,629	764	2,844	829	3,283	1,168	5,729
Communist China <sup>f</sup> .....	41	103	109	325	128	424	147	514	575	2,100
European Satellites.....	61*	216*	133*	594*	157*	744*	193*	942*		
Albania.....	N.A.	N.A.	N.A.	N.A.	3*	7*	4*	8*	12	20
Bulgaria.....	4*	10*	9*	30*	11*	33*	15*	46*	42	160
Czechoslovakia.....	0*	0*	5*	33*	8*	62*	11*	85*	20	200
East Germany.....	0*	0*	15*	81*	21*	114*	29*	173*	73	330
Hungary.....	2*	2*	6*	7*	6*	7*	8*	10*	22	50
Poland <sup>g</sup> .....	49*	176*	91*	412*	101*	490*	116*	583*	220	1,000
Rumania.....	6*	28*	7*	31*	7*	31*	10*	37*	30	125

## NATO Countries

Country	Thousand GRT		Country	Thousand GRT		Country	Thousand GRT	
	1959	1960		1959	1960		1959	1960
Belgium.....	636*	646*	Iceland.....	51*	53*	Portugal.....	440*	466*
Canada.....	263*	293*	Italy.....	4,745*	4,758*	Turkey.....	524*	603*
Denmark.....	2,011*	2,027*	Netherlands.....	4,200*	4,327*	UK.....	19,007*	19,370*
France.....	4,310*	4,472*	Norway.....	9,994*	10,708*	West Germany.....	4,059*	4,137*
Greece.....	2,247*	4,095*						

<sup>a</sup> Including ships of 1,000 gross register tons (GRT) or more and excluding coastal passenger ships. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated plan for 1965.

<sup>c</sup> Excluding Luxembourg. Data are as of midyear.

<sup>d</sup> Including both private and government-owned fleets. Data are as of midyear.

<sup>e</sup> Excluding the Caspian Sea fleet.

<sup>f</sup> Coastal fleet.

<sup>g</sup> Except for 1950, data include a varying number of ships flying the Polish flag but not controlled by Poland. At the end of 1960, there were 18 ships totaling 130,000 GRT.

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Table 123  
Value of Construction \* in the US and the Sino-Soviet Bloc  
Selected Years, 1950-60, and 1965 Plan

Country	Unit of Measure	1950	1955	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	Billion 1947-49 dollars.....	26.6*	35.3*	35.4*	39.9*	38.3*	
USSR <sup>c</sup> .....	Billion 1 July 1955 (old) rubles..	58.1*	100*	150*	171*	189*	240 <sup>d</sup>
Communist China.....	Billion yuan <sup>e</sup> .....	N.A.	5.58	16.0	14.9	21.2	
North Korea.....	Million 1950 won.....	N.A.	170*	205	280	250	
Albania <sup>f</sup> .....	Billion 1958 leks.....	1.44*	3.16*	4.72*	6.00*	6.90	8.90 <sup>d</sup>
Bulgaria <sup>g</sup> .....	Billion 1 April 1956 leva.....	1.59*	2.61*	2.40*	2.98*	4.25	8.25 <sup>d</sup>
Czechoslovakia.....	Billion 1959 korunas.....	10.5*	19.8*	26.2*	31.1*	34.5	51.4 <sup>h</sup>
East Germany.....	Billion DME <sup>i</sup> .....	2.43*	4.30*	5.68*	6.83*	7.58*	11.4 <sup>h</sup>
Hungary.....	Billion current forints.....	6.76*	11.2*	14.4*	16.8	20.5	35.0 <sup>d</sup>
Poland.....	Billion 1956 zlotys.....	15.2*	36.0*	40.5*	46.0*	48.0	62.6*
Rumania.....	Billion 1 January 1959 lei.....	3.33*	7.89*	8.58*	9.36*	11.3	19.0*

\* Because of the difficulty of determining valid rates of exchange, data are not presented in terms of a common currency. Rates of exchange are given in Table 142 (p. 132, below), but these rates of exchange should be used with caution because they have been established and maintained arbitrarily. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data for the US are for total new construction put in place, including private, public, farm, and private housing construction.

<sup>c</sup> Pre-1961 rate of exchange. Data for the USSR exclude construction work on collective farms and private housing construction.

<sup>d</sup> Estimated value of construction for 1965.

<sup>e</sup> Believed to be in current prices.

<sup>f</sup> Value of state construction.

<sup>g</sup> Value of state plan construction.

<sup>h</sup> Estimated value of construction in the socialist sector for 1965.

<sup>i</sup> Deutsche Mark East (East German marks). Believed to be in current prices.



Table 124  
Housing Construction in the US and the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Square Meters <sup>b</sup>											
	1950			1955			1960			1965 Plan		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
US <sup>c</sup> .....	125,000*	2,000*	127,000*	141,000*	2,000*	143,000*	126,000*	2,000*	128,000*			
USSR.....	26,200	13,000	39,200	35,400	20,000	55,400	85,000*	23,000	108,000			
Communist China....	2,510*	N.A.	N.A.	14,460*	N.A.	N.A.	26,000	N.A.	N.A.			
North Korea.....	N.A.	N.A.	N.A.	1,399*	1,533*	2,932*	2,190	N.A.	N.A.			
North Vietnam.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	518* <sup>d</sup>			
Albania.....	N.A.	N.A.	32*	N.A.	N.A.	117*	N.A.	N.A.	224* <sup>e</sup>	N.A.	N.A.	300 <sup>f</sup>
Bulgaria.....	356	784	1,140	1,061	829	1,845	1,250	2,430	3,680			
Czechoslovakia.....	N.A.	N.A.	1,985*	N.A.	N.A.	1,986*	N.A.	N.A.	2,776	N.A.	N.A.	3,350 <sup>f</sup>
East Germany.....	1,350	450	1,800*	1,440	717	2,157*	2,650	1,310	3,960	4,330	N.A.	N.A.
Hungary.....	N.A.	N.A.	890	N.A.	N.A.	1,044	N.A.	N.A.	1,260	N.A.	N.A.	1,800 <sup>f</sup>
Poland.....	N.A.	N.A.	3,400	N.A.	N.A.	4,510	N.A.	N.A.	6,800	N.A.	N.A.	10,200 <sup>f</sup>
Rumania.....	N.A.	N.A.	1,482* <sup>g</sup>	N.A.	N.A.	1,675*	N.A.	N.A.	4,525	N.A.	N.A.	5,625 <sup>f</sup>

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Total space, including living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

<sup>c</sup> Data for the US are presently of only general validity and comparability. Data are currently under review by the Bureau of the Census, whose analysis is expected to provide figures with a higher degree of validity and reliability.

<sup>d</sup> Total area constructed during 1955-60.

<sup>e</sup> Plan data.

<sup>f</sup> Estimated plan for 1965.

<sup>g</sup> Data for 1951.

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Table 125  
Per Capita Urban Housing in the US and Selected Countries of the Soviet Bloc <sup>a</sup>  
Stated Years

Country	US	USSR	Czechoslo- vakia	Hungary	Poland
Year . . . . .	1960	1959 <sup>b</sup>	1958 <sup>b</sup>	1958 <sup>b</sup>	1958 <sup>b</sup>
Square meters of available living space <sup>c</sup> .	28.0*	5.1	11.5	8.0	6.8

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Data are as of January of the stated year.

<sup>c</sup> In the Soviet Bloc, estimated living space comprises essentially living rooms and bedrooms, whereas in the US estimated living space includes all areas except bathrooms, hallways, closets, and utility rooms.

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Table 126  
Production of Bricks <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

						Million Units
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	22,400*	29,300*	26,600*	28,400*	28,800*	
US	6,333*	7,902*	6,489*	7,336*	6,941*	
Sino-Soviet Bloc	15,300	30,200	79,800	N.A.	N.A.	
USSR	10,204*	20,825*	28,689*	33,048*	35,100*	
Communist China	N.A.	N.A.	40,000* <sup>c</sup>	N.A.	N.A.	
North Korea	N.A.	619*	724*	N.A.	N.A.	
North Vietnam	N.A.	50*	225	300*	423	
European Satellites	5,090*	8,740*	10,200*	11,500*	11,900	
Albania	14*	58*	76*	125*	140	230 <sup>d</sup>
Bulgaria	237*	444*	575*	758*	931*	
Czechoslovakia <sup>e</sup>	865*	1,668*	2,129*	2,377*	2,418*	3,125*
East Germany	1,356*	1,963*	2,187*	2,345*	2,276*	2,700*
Hungary <sup>f</sup>	820*	1,198*	1,421*	1,659*	1,771*	
Poland	1,426*	2,740*	3,000*	3,350*	3,366*	5,300*
Rumania	371*	668*	822*	918*	1,000	

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	2,151*	2,254*	Netherlands	1,542*	1,617*	UK <sup>i</sup>	6,967*	7,284*
Canada <sup>g</sup>	550*	470*	Norway	94*	N.A.*	West Germany	6,114*	6,213*
Italy <sup>h</sup>	3,579*	4,070*	Saar	63*	N.A.* <sup>j</sup>			

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, France, Iceland, Portugal, and Turkey; for 1958-60, Greece; for 1955 and 1958-60, Luxembourg; for 1959-60, Denmark; and for 1960 only, Norway.

<sup>c</sup> Claimed production of bricks in Communist China probably includes all bricks produced, the major share of which comes from kiln installations of a native type. An estimate of 30 billion bricks produced is probably more accurate than the official claim of 40 billion bricks.

<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Data for 1955-60 and the plan for 1965 include solid, hollow, and unbaked bricks.

<sup>f</sup> Except for 1950, excluding lime-sand brick. Data exclude production of the construction industry.

<sup>g</sup> Producers sales.

<sup>h</sup> Including roofing tile.

<sup>i</sup> Production for the Saar is included with West Germany.

<sup>j</sup> Including engineering bricks and bricks made from concrete, shale, and lime-sand. Excluding Northern Ireland.

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Table 127  
Production of Cement <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Thousand Metric Tons					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	82,500*	120,000*	130,000*	143,000*	144,000*	
US <sup>c</sup> .....	39,146*	52,822*	54,653*	59,570*	56,770*	
Sino-Soviet Bloc.....	20,400*	41,000*	61,800*	73,400*	85,200	
USSR.....	10,194*	22,484*	33,308*	38,781*	45,500*	84,600*
Communist China.....	1,410*	4,500*	9,300*	12,270*	14,000	
North Korea.....	380*	360*	1,244*	1,926*	2,285*	
North Vietnam.....	N.A.	8*	302*	380*	406*	
European Satellites.....	8,370*	13,600*	17,600*	20,100*	23,000	
Albania.....	16*	45*	78*	74*	80	230 <sup>d</sup>
Bulgaria.....	602*	812*	934*	1,433*	1,586*	4,000*
Czechoslovakia.....	1,998*	2,892*	4,110*	4,744*	5,051*	8,750*
East Germany.....	1,412*	2,971*	3,558*	4,205*	5,032*	7,500*
Hungary.....	797*	1,175*	1,302*	1,432*	1,571*	
Poland.....	2,514*	3,813*	5,058*	5,312*	6,592*	11,120*
Rumania.....	1,028*	1,936*	2,572*	2,851*	3,054*	6,500*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium...	4,440*	4,386*	Iceland.....	85*	N.A.*	Portugal.....	1,031*	1,198*
Canada....	5,688*	5,337*	Italy.....	14,076*	15,633*	Saar.....	331*	N.A.* <sup>e</sup>
Denmark...	1,390*	1,434*	Luxembourg..	191*	N.A.*	Turkey.....	1,740*	2,072*
France....	14,184*	14,345*	Netherlands..	1,600*	1,797*	UK.....	12,792*	13,500*
Greece.....	1,445*	1,638*	Norway.....	1,106*	1,169*	West Germany..	22,848*	24,944*

<sup>a</sup> Data refer, as nearly as possible, to all types of hydraulic cements used for construction. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for 1960, Iceland and Luxembourg.

<sup>c</sup> Including portland, prepared masonry, natural, slag, and hydraulic lime cements.

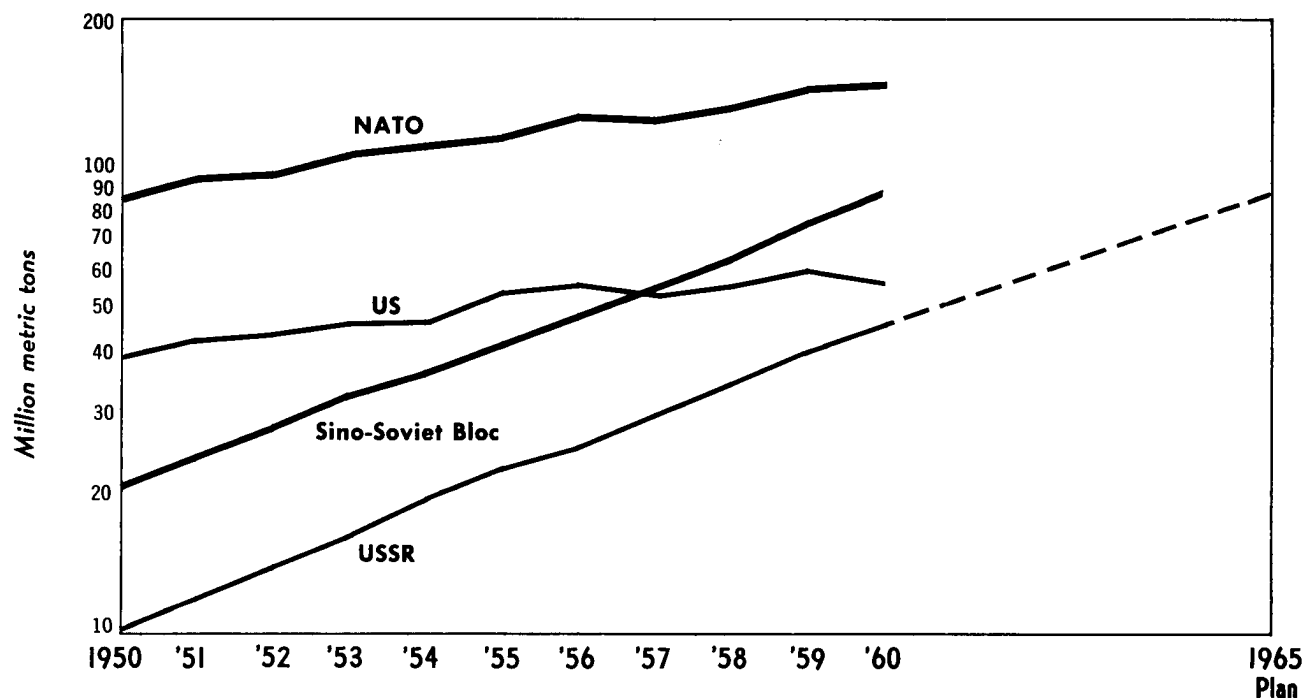
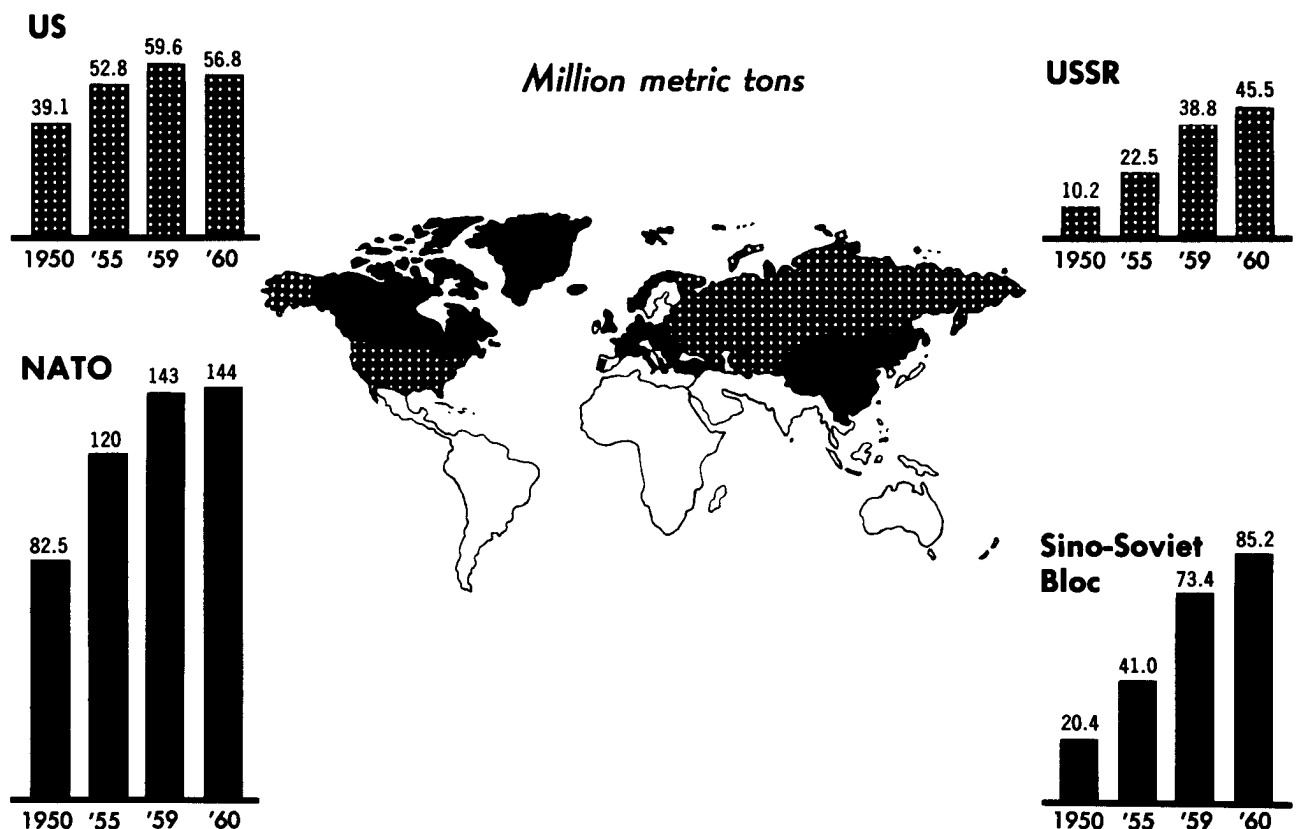
<sup>d</sup> Estimated plan for 1965.

<sup>e</sup> Production for the Saar is included with West Germany.

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Figure 19

## COMPARISON OF PRODUCTION OF CEMENT IN SELECTED AREAS SELECTED YEARS, 1950-60, AND 1965 PLAN



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Table 128  
Number of Radiobroadcasting Transmitters <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	1950			1958			1960			1965 Plan			Units
	AM	FM	Total	AM	FM	Total	AM	FM	Total	AM	FM	Total	
NATO <sup>b</sup> .....	N.A.*	N.A.*	3,550*	N.A.*	N.A.*	5,271*	N.A.*	N.A.*	N.A.*				
US <sup>c</sup> .....	2,232*	676*	2,908*	3,318*	571*	3,889*	3,483*	741*	4,224*				
Sino-Soviet Bloc.....	368	3	371	449	79	528	561	108	669				
USSR.....	160	2	162	231	55	286	264	65	329	342 <sup>d</sup>	250*	592 <sup>d</sup>	
Communist													
China.....	127	0	127	89*	0	89	138*	1*	139*	153 <sup>d</sup>	6 <sup>d</sup>	159 <sup>d</sup>	
North Korea.....	11	0	11	11	0	11	12*	0	12	17 <sup>d</sup>	1 <sup>d</sup>	18 <sup>d</sup>	
North Vietnam.....	N.A.	0	N.A.	N.A.	0	N.A.	10*	0	10	15 <sup>d</sup>	0 <sup>d</sup>	15 <sup>d</sup>	
European Satel-													
lites.....	70	1	71	118	24	142	137*	42	179				
Albania.....	5	0	5	8	0	8	8*	0	8	12	0	12	
Bulgaria.....	5*	0	5	8*	0	8	7*	0	7	12 <sup>d</sup>	11 <sup>d</sup>	23 <sup>d</sup>	
Czechoslovakia.....	21*	0	21	33	1	34	39*	15*	54*	39 <sup>d</sup>	38*	77 <sup>d</sup>	
East Germany.....	12*	1	13	22	16	38	25*	19*	44*	32 <sup>d</sup>	60	92 <sup>d</sup>	
Hungary.....	8	0	8	11	2	13	13*	2*	15*	13 <sup>d</sup>	8*	21 <sup>d</sup>	
Poland.....	12	0	12	22	3*	25	28*	4*	32*	28*	60*	88*	
Rumania.....	7*	0	7	14	2	16	17*	2*	19*	18 <sup>d</sup>	23*	41 <sup>d</sup>	

## NATO Countries

## Total AM and FM

Country	1957	1958	Country	1957	1958	Country	1957	1958
Belgium.....	12*	12*	Italy.....	390*	538*	Portugal.....	34*	33*
Canada.....	258*	275*	Luxembourg.....	3*	3*	Turkey.....	5*	5*
Denmark.....	19*	21*	Netherlands.....	9*	9*	UK.....	62*	68*
France <sup>e</sup> .....	50*	51*	Norway.....	34*	37*	West Germany.....	308*	312*
Greece.....	18*	18*						

<sup>a</sup> Including amplitude-modulated (AM) and frequency-modulated (FM) types. Data in some cases may refer to operating radiobroadcasting stations. There may be more than one transmitter per station. Unless otherwise indicated, the date may vary within the stated year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for 1958, Iceland.

<sup>c</sup> Data for 1950 and 1958 are as of the end of the year. Data for 1960 are as of midyear.

<sup>d</sup> Estimated number in 1965.

<sup>e</sup> Including Algeria.

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Table 129  
Number of Radio Receivers in Public Use <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Units						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>136,000*</b>	<b>194,000*</b>	<b>226,000*</b>	<b>233,000*</b>	<b>241,000*</b>	
US	98,000*	135,000*	155,000*	161,000*	166,500*	
Sino-Soviet Bloc	<b>10,100</b>	<b>23,900</b>	<b>40,100</b>	<b>44,700</b>	<b>51,000</b>	
USSR	1,100	10,400	21,700*	24,700*	29,300	69,000*
Communist China	1,000	1,700	3,300	3,800	4,400	7,700 <sup>c</sup>
North Korea	100	81*	116*	142*	173*	259 <sup>c</sup>
North Vietnam	N.A.	N.A.	300	335	370	545 <sup>c</sup>
European Satellites	<b>7,930*</b>	<b>11,700*</b>	<b>14,700*</b>	<b>15,700</b>	<b>16,800</b>	
Albania	9*	20*	32*	36	40	60 <sup>c</sup>
Bulgaria	201*	327*	588*	680	768	1,209 <sup>c</sup>
Czechoslovakia	2,420*	2,839*	3,055*	3,085*	3,159	3,528 <sup>c</sup>
East Germany	3,490*	5,009*	5,378*	5,489*	5,711	6,822 <sup>c</sup>
Hungary	618*	1,173*	1,699*	1,843*	1,979	2,660 <sup>c</sup>
Poland	892*	1,649*	2,902*	3,414*	3,855	6,060 <sup>c</sup>
Rumania	300*	654*	1,003*	1,153*	1,278	1,902 <sup>c</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	2,409*	2,477*	Italy	7,851*	8,596*	Portugal	996*	1,060*
Denmark	1,714*	1,747*	Luxembourg	N.A.*	97*	Turkey	1,208*	1,308*
France	11,484*	11,640*	Netherlands	2,715*	3,145*	UK <sup>d</sup>	15,584*	15,726*
Greece	846*	884*	Norway	1,250*	1,300*	West Germany	16,050*	16,311*
Iceland	50*	54*						

<sup>a</sup> Excluding wired loudspeaker receiving units. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for 1950, data for 1949 for Belgium, Denmark, Luxembourg, and Portugal; for 1958, data for 1957 for Belgium, Canada, and Turkey; for 1959, data for 1957 for Canada and data for 1958 for Luxembourg; and for 1960, data for 1957 for Canada. Data refer to the estimated number of radio receivers in use in all countries (except the UK) in 1958-60 and in Canada and the US in all available years. Otherwise, data refer to the number of licenses issued. Data for the UK for all years refer to licenses for combined sound and television sets.

<sup>c</sup> Estimated number for 1965.

<sup>d</sup> Licenses for combined sound and television sets.

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Table 130  
Number of Wired Loudspeakers in Public Use <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Units						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	N.A.*	1,740*	1,840*	1,830*	1,830*	
Sino-Soviet Bloc	10,400	22,400	32,600	36,500	39,400	
USSR	9,685*	19,544*	27,117*	29,155*	30,296	36,000*
Communist China	96*	438	2,320*	3,660	5,000	11,700 <sup>c</sup>
North Korea	N.A.	29*	108	488*	600*	1,172 <sup>c</sup>
European Satellites	613	2,430	3,100	3,240	3,480	
Albania	0	7	18	22	25	43 <sup>c</sup>
Bulgaria	26*	300*	471*	523*	579	857 <sup>c</sup>
Czechoslovakia	N.A.	35*	262*	353*	492*	1,092*
Hungary	2*	259*	264*	259*	279	377 <sup>c</sup>
Poland	572*	1,319*	1,434*	1,392*	1,371 <sup>d</sup>	1,230*
Rumania	13*	510*	652*	688*	732	955 <sup>c</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	135*	135*	UK	1,048*	1,054*	West Germany	159*	157*
Netherlands	490*	480*						

<sup>a</sup> As distinct from radio receivers, wired loudspeakers are connected to government-controlled distribution (wire-diffusion) centers. These centers receive normal radiobroadcasts and retransmit them to loudspeakers by wire or cable. Program reception on wired loudspeakers is thereby restricted to those radiobroadcasts sponsored by the government. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for all years, the Netherlands and the UK; for 1955 and 1959-60, Belgium; and for 1958-60, West Germany. The total for 1958 includes data for 1957 for Belgium. Data refer to the number of licenses issued for wired loudspeakers. The date of information varies during the stated year.

<sup>c</sup> Estimated number for 1965.

<sup>d</sup> Plan data.

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Table 131  
Number of Television Broadcasting Stations <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Units					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	N.A.*	581*	1,020*	1,240*	1,400*	
US <sup>c</sup> .....	107*	482*	546*	570*	579*	
Sino-Soviet Bloc <sup>d</sup> .....	2	25	90	145	195	
USSR <sup>e</sup> .....	2*	12*	62*	83*	94*	164*
Communist China <sup>f</sup> .....	0	0	3*	19*	29*	94 *
European Satellites.....	0	13	25	43	72	
Bulgaria.....	0	0	1	1	1* <sup>h</sup>	11*
Czechoslovakia.....	0	2*	6*	11*	13	21 *
East Germany.....	0	8*	11	20	38	68 *
Hungary.....	0	1	1	2	7	17 *
Poland.....	0	1	5*	6	8*	18 *
Rumania.....	0	1	1*	3*	5	15*

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium.....	5*	5* <sup>i</sup>	Italy <sup>l</sup> .....	343*	386* <sup>i</sup>	Portugal.....	5*	5* <sup>i</sup>
Canada <sup>j</sup> .....	60*	70*	Luxembourg..	1*	1* <sup>i</sup>	Turkey.....	1*	1* <sup>i</sup>
Denmark.....	8*	10* <sup>i</sup>	Netherlands..	6*	7* <sup>i</sup>	UK.....	34*	34* <sup>i</sup>
France <sup>k</sup> .....	52*	83* <sup>i</sup>	Norway.....	1*	5* <sup>i</sup>	West Germany....	152*	215* <sup>i</sup>

<sup>a</sup> Unless otherwise indicated, data refer to stations broadcasting to the public and in some cases may refer to transmitters. There may be more than one transmitter per station. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> There are no stations in Greece and Iceland. There were no stations in Portugal until 1956.

<sup>c</sup> Data are as of the end of the stated years except for 1960, which are as of 1 July.

<sup>d</sup> Unless otherwise indicated, data for the Sino-Soviet Bloc include major stations only and exclude relay stations and local amateur stations.

<sup>e</sup> Including programing centers and powerful relay stations.

<sup>f</sup> Including powerful relay stations and amateur stations.

<sup>g</sup> Estimated number for 1965.

<sup>h</sup> Plan data.

<sup>i</sup> Data are as of 1 October.

<sup>j</sup> Data are as of midyear.

<sup>k</sup> Including Algeria.

<sup>l</sup> Including television relay stations.

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Table 132  
Number of Television Receivers in Public Use <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Thousand Units						
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	N.A.*	47,000*	67,200*	73,500*	78,200*	
US	10,600*	39,000*	49,800*	52,000*	54,000*	
Sino-Soviet Bloc	N.A.	870	3,260*	4,950*	6,440	
USSR	15*	823*	2,500*	3,600*	4,000*	17,500*
Communist China	0	0	Negl.*	5*	20	95 <sup>c</sup>
European Satellites	N.A.	46.7	763*	1,350*	2,420	
Bulgaria	0	0	Negl.*	3*	5	47 <sup>c</sup>
Czechoslovakia	N.A.	32*	328*	519*	856*	1,994 <sup>c</sup>
East Germany	N.A.	14*	318*	503*	1,035*	4,000*
Hungary	0	Negl.	16*	53*	75	450*
Poland	N.A.	Negl.*	85*	238*	400*	1,700*
Rumania	0	Negl.	16*	30*	50	150 <sup>c</sup>

## NATO Countries

Country	1959	1960	Country	1959	1960	Country	1959	1960
Belgium	350*	422* <sup>d</sup>	Italy	1,666*	2,200* <sup>d</sup>	Portugal	35*	39* <sup>d</sup>
Canada	3,600*	3,840* <sup>e</sup>	Luxembourg	4*	6* <sup>d</sup>	Turkey	1*	1* <sup>d</sup>
Denmark	359*	438* <sup>d</sup>	Netherlands	594*	689* <sup>d</sup>	UK	10,000*	10,569* <sup>d</sup>
France	1,400*	1,800* <sup>d</sup>	Norway	6*	20* <sup>d</sup>	West Germany	3,500*	4,205* <sup>d</sup>
Iceland	Negl.*	1* <sup>d</sup>						

<sup>a</sup> Unless otherwise indicated, estimates are as of the end of the year. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding for all years, Greece; for 1950, 1955, and 1958-59, Iceland; and for 1950, Portugal.

<sup>c</sup> Estimated plan for 1965.

<sup>d</sup> Data are as of 1 October.

<sup>e</sup> Data are as of 1 August.

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Table 133  
Number of Telephone Subscribers <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

						Thousand Units
Country	1950	1955	1958	1959	1960	1965 Plan
NATO.....	<b>60,300*</b>	<b>81,000*</b>	<b>96,400*</b>	<b>102,000*</b>	<b>N.A.*</b>	
US <sup>b</sup> .....	43,004*	56,436*	66,888*	70,820*	N.A.*	
Sino-Soviet Bloc.....	<b>2,950</b>	<b>4,270</b>	<b>5,360</b>	<b>5,840</b>	<b>6,320</b>	
USSR <sup>c</sup> .....	1,410*	1,930*	2,370*	2,510*	2,710	3,720*
Communist China.....	230*	399	629*	718	819	1,375 <sup>d</sup>
North Korea.....	15	17*	26	30*	32	40 <sup>d</sup>
European Satellites.....	<b>1,290</b>	<b>1,920</b>	<b>2,330</b>	<b>2,580</b>	<b>2,760</b>	
Albania.....	1	3	7	8	9	16 <sup>d</sup>
Bulgaria.....	78*	112*	140*	158*	167	211 <sup>d</sup>
Czechoslovakia.....	451*	662*	790*	936*	1,015*	1,531*
East Germany.....	357*	481*	553*	575*	600	735 <sup>d</sup>
Hungary.....	110*	183*	220*	230*	240*	297 <sup>d</sup>
Poland.....	192*	338*	446*	488*	534*	840*
Rumania.....	103*	145*	174*	185*	194	240 <sup>d</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium.....	1,036*	1,085*	Iceland.....	36*	37*	Portugal.....	332*	365*
Canada.....	5,122*	5,439*	Italy.....	3,182*	3,518*	Turkey.....	239*	260*
Denmark.....	979*	1,020*	Luxembourg..	42*	47*	UK <sup>f</sup> .....	7,525*	7,848*
France.....	3,704*	4,085*	Netherlands..	1,402*	1,501*	West Germany..	5,090*	5,516*
Greece.....	169*	190*	Norway <sup>e</sup> .....	672*	694*			

<sup>a</sup> Unless otherwise indicated, estimates are for the end of the year. Data for the Sino-Soviet Bloc refer to telephone subscribers, including both private and civil government (other than military) users. Data for NATO refer to telephones in use, including both public and private telephones that can be connected to a central exchange. The number of subscribers is less than the number of telephones in the same country, but no reliable ratio between the two can be supplied. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including Alaska and Hawaii.

<sup>c</sup> Including telephones in booths.

<sup>d</sup> Estimated subscribers for 1965.

<sup>e</sup> Data are as of midyear.

<sup>f</sup> Data are as of 31 March of the stated year.

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Table 134  
Number of Long-Distance Telephone Calls <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Calls					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>3,770*</b>	<b>4,930*</b>	<b>6,130*</b>	<b>6,580*</b>	<b>N.A.*</b>	
US <sup>c</sup>	2,049.8*	2,479.0*	3,042.5*	3,206.0*	N.A.*	
Sino-Soviet Bloc	<b>366</b>	<b>585</b>	<b>684</b>	<b>739</b>	<b>820</b>	
USSR	103.0*	135.0*	163.0*	172.0*	191.0	285 <sup>d</sup>
Communist China	15.6	54.9	84.3	100.2	119.1	228 <sup>d</sup>
North Korea	3.5	7.7*	9.8	11.4	13.0	21 <sup>d</sup>
European Satellites	<b>243*</b>	<b>387*</b>	<b>427</b>	<b>455</b>	<b>497</b>	
Albania <sup>e</sup>	0.6*	1.1*	1.4	1.5	1.6	2 <sup>d</sup>
Bulgaria	18.7*	29.9*	27.8*	29.4	31.0*	37 <sup>d</sup>
Czechoslovakia	51.5*	71.6*	84.0*	92.7*	105.6	170*
East Germany	89.0*	127.5*	148.3*	156.1*	165.0*	245*
Hungary	13.9*	25.2*	26.5	28.3	30.0*	38 <sup>d</sup>
Poland	47.0*	97.0*	95.3*	102.0*	116.0	186 <sup>d</sup>
Rumania	22.7*	34.9*	43.9*	45.3*	47.8	60 <sup>d</sup>

## NATO Countries

Country	1958	1959	Country	1958	1959	Country	1958	1959
Belgium	103.5*	112.6*	Iceland	1.9*	2.0*	Portugal	57.3*	45.6*
Canada	194.2*	205.4*	Italy <sup>f</sup>	359.6*	413.9*	UK <sup>h</sup>	343.0*	386.0*
Denmark	209.0*	230.1*	Netherlands	361.2*	404.8*	West Germany	812.6*	928.2*
Greece	8.5*	9.7*	Norway <sup>g</sup>	57.2*	49.8*			

<sup>a</sup> Domestic interurban telephone calls generally. Some references to calls, however, also include international telephone calls. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Excluding Luxembourg. Totals for 1958-59 include data for 1956 for France and 1957 for Turkey.

<sup>c</sup> Including Alaska and Hawaii.

<sup>d</sup> Estimated number for 1965.

<sup>e</sup> Probably including local and interurban calls.

<sup>f</sup> Three-minute units.

<sup>g</sup> Data are for years ending 30 June of the stated year.

<sup>h</sup> Data are for years beginning 1 April of the stated year.

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Table 135  
Number of Telegrams Sent over the Domestic System <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Country	Million Telegrams					
	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup>	<b>338*</b>	<b>295*</b>	<b>263*</b>	<b>N.A.*</b>	<b>N.A.*</b>	
US	178.9*	153.9*	131.9*	131.0*	N.A.*	
Sino-Soviet Bloc	<b>207</b>	<b>266</b>	<b>294</b>	<b>304</b>	<b>314</b>	
USSR	154.0*	203.0*	223.0*	230.0*	237.0	272.0 <sup>c</sup>
Communist China <sup>d</sup>	11.4	17.2	22.5	24.9	27.6	42.0 <sup>c</sup>
North Korea	1.4 <sup>e</sup>	0.8	1.0	1.1	1.2	1.7 <sup>c</sup>
European Satellites	<b>40.4*</b>	<b>44.8*</b>	<b>47.0</b>	<b>47.6</b>	<b>48.2</b>	
Albania	0.9*	0.9*	0.8	0.8	0.8	0.8 <sup>c</sup>
Bulgaria	6.8*	6.1*	6.2*	6.2	6.3	6.6 <sup>c</sup>
Czechoslovakia	8.2*	9.7*	10.1*	10.5*	10.6*	11.0*
East Germany	9.8*	7.6*	8.6*	8.6*	8.7*	9.4*
Hungary	4.0*	5.7*	6.5*	6.9*	7.4*	9.1 <sup>c</sup>
Poland	7.2*	10.3*	10.1*	10.1*	10.0	9.8 <sup>c</sup>
Rumania	3.5*	4.5*	4.7*	4.5*	4.4	3.9 <sup>c</sup>

## NATO Countries

Country	1957	1958	Country	1957	1958	Country	1957	1958
Belgium	4.0*	3.5*	Iceland	0.3*	0.3*	Portugal	2.2*	2.3*
Canada	16.6*	14.9*	Italy <sup>h</sup>	37.0*	37.0*	Turkey	10.7*	N.A.*
Denmark <sup>i</sup>	1.7*	1.7*	Luxembourg	0.2*	0.2*	UK <sup>i</sup>	15.2*	14.1*
France <sup>k</sup>	17.1*	16.2*	Netherlands	2.4*	2.3*	West Germany <sup>i</sup>	19.4*	19.0*
Greece	4.9*	4.8*	Norway <sup>h</sup>	4.1*	3.8*			

<sup>a</sup> Data for the most part refer to all types of domestic telegrams sent, excluding international telegrams and cablegrams. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> The total for 1958 includes data for 1957 for Turkey.

<sup>c</sup> Estimated number for 1965.

<sup>d</sup> Data include domestic and international telegrams.

<sup>e</sup> Data for 1948.

<sup>f</sup> Data are for years beginning 1 April of the stated year.

<sup>g</sup> Including Algeria.

<sup>h</sup> Data are for years ending 30 June of the stated year.

<sup>i</sup> Telegrams sent to or received from East Germany and East Berlin are counted as domestic.

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Table 136  
Number of Domestic Subscribers in the Subscriber Telegraph (TELEX) Network <sup>a</sup>  
in the US and the Sino-Soviet Bloc  
1955-60 and 1965 Plan

Country							Units
	1955	1956	1957	1958	1959	1960	1965 Plan
US <sup>b</sup> .....	17,885*	19,286*	21,160*	23,131*	25,950*	28,271*	
Sino-Soviet Bloc.....	N.A.	N.A.	4,930	5,990	9,210	12,700	
USSR.....	1,000*	1,200	1,400	1,600*	4,200	6,900	20,000*
European Satellites.....	N.A.	N.A.	3,530	4,390	5,010	5,800	
Bulgaria.....	0	0	0	15 <sup>c</sup>	115	215	715
Czechoslovakia.....	N.A.	N.A.	1,000	1,300	1,351*	1,476	2,100*
East Germany.....	1,370	1,490	1,870	2,370	2,800*	3,300*	6,000*
Hungary.....	279*	282*	327*	347*	357*	384	521 <sup>d</sup>
Poland.....	270*	300	330	360	390	420	570 <sup>d</sup>

<sup>a</sup> The subscriber telegraph network service is a two-way service in which a subscriber is provided with a teletype machine connected to a switchboard of a local subscriber telegraph exchange. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> In the US, domestic subscriber telegraph service usually is known as TWX rather than TELEX. Data pertain to the number of customers or subscribers and are as of 1 October of the stated year. Data presented previously in the *Handbook* pertained to stations or teletype machines. The number of stations as of 31 December of the stated years are as follows: 1955, 36,857; 1956, 39,256; 1957, 42,197; 1958, 44,649; 1959, 48,622; 1960, 51,744.

<sup>c</sup> Plan data.

<sup>d</sup> Estimated plan for 1965.

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Table 137  
Number of Letters Sent in the Domestic System \*  
Selected Years, 1950-60, and 1965 Plan

						Million Letters
Country	1950	1955	1958	1959	1960	1965 Plan
NATO <sup>b</sup> .....	<b>70,100*</b>	<b>85,500*</b>	<b>94,700*</b>	<b>N.A.*</b>	<b>N.A.*</b>	
US <sup>c</sup> .....	44,646*	54,722*	59,595*	60,694*	N.A.*	
Sino-Soviet Bloc.....	<b>7,000*</b>	<b>9,690</b>	<b>11,200</b>	<b>11,800</b>	<b>12,500</b>	
USSR.....	2,607*	3,788*	3,985*	4,103*	4,349	5,579*
Communist China.....	608*	1,068	1,628	1,816	2,004	2,944 <sup>d</sup>
North Korea.....	44* <sup>e</sup>	40	56	61	66	92 <sup>d</sup>
European Satellites.....	<b>3,740*</b>	<b>4,790*</b>	<b>5,530*</b>	<b>5,860</b>	<b>6,100</b>	
Albania.....	7*	9*	11*	11	12	14 <sup>d</sup>
Bulgaria.....	167*	185*	159*	160	162	170 <sup>d</sup>
Czechoslovakia.....	1,036*	1,320*	1,510*	1,612*	1,676	1,996 <sup>d</sup>
East Germany.....	1,142*	1,282*	1,372*	1,401	1,429	1,573 <sup>d</sup>
Hungary.....	395*	469*	406*	468*	476	517 <sup>d</sup>
Poland.....	845*	1,312*	1,820*	1,942	2,064	2,673 <sup>d</sup>
Rumania.....	146*	214*	248*	266*	279	344 <sup>d</sup>

## NATO Countries

Country	1957	1958	Country	1957	1958	Country	1957	1958
Belgium.....	2,071*	2,294*	Iceland.....	8*	9*	Portugal.....	323*	329*
Canada <sup>f</sup> .....	3,175*	3,355*	Italy.....	3,931*	4,444*	Turkey.....	184*	N.A.*
Denmark <sup>f</sup> .....	430*	456*	Luxembourg...	35*	37*	UK <sup>f</sup> .....	9,097*	9,218*
France.....	5,118*	5,550*	Netherlands...	1,718*	1,746*	West Germany...	6,535*	6,951*
Greece.....	178*	185*	Norway <sup>e</sup> .....	329*	345*			

\* Data refer to letters (airmail, ordinary mail, and registered mail), post cards, printed matter, business papers, small merchandise samples, small packets, and phonopost packets and include mail carried without a charge but exclude ordinary packages and letters with a declared value. A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Including for 1950, data for 1951 for Denmark and France, and for 1958, data for 1957 for Turkey.

<sup>c</sup> Data are as of 30 June of the stated year.

<sup>d</sup> Estimated performance for 1965.

<sup>e</sup> Data for 1949.

<sup>f</sup> Data are for years beginning 1 April of the stated year.

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TRADE

Table 138  
Trade Turnover of the Sino-Soviet Bloc \*  
Selected Years, 1950-60, and 1965 Plan

Country	Million Current US \$					
	1950	1955	1958	1959	1960	1965 Plan <sup>b</sup>
USSR.....	3,251*	6,484*	8,647*	10,514*	11,192*	16,500
Communist China <sup>c</sup> .....	1,215	3,065	3,765	4,275	4,120	
North Korea.....	182* <sup>d</sup>	105*	235	318	N.A.	
North Vietnam.....	N.A.	74	187	240	264	
Albania.....	29*	56*	108*	120 <sup>c</sup>	N.A.	
Bulgaria.....	N.A.	486*	741*	1,047*	1,180 <sup>c</sup>	
Czechoslovakia.....	1,418*	2,229*	2,871*	3,330*	3,745*	5,500
East Germany.....	876*	2,451*	3,570*	4,114*	4,360 <sup>c</sup>	5,970
Hungary.....	644*	1,155*	1,314*	1,556*	1,826*	2,500
Poland.....	1,302*	1,851*	2,286*	2,565*	2,820*	4,000
Rumania.....	455 <sup>c</sup>	883 <sup>c</sup>	950*	1,024*	1,360 <sup>c</sup>	2,050

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated trade turnover for 1965.

<sup>c</sup> Estimated data.

<sup>d</sup> Data are for 1949 because 1950 was a war year.

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TRADE

Table 139  
Trade Within the Sino-Soviet Bloc <sup>a</sup>  
Selected Years, 1950-60, and 1965 Plan

Million Current US \$

Country	Imports				Exports				Total Trade			
	1950	1959	1960	1965 Plan	1950	1959	1960	1965 Plan	1950	1959	1960	1965 Plan
USSR.....	1,136*	3,736*	3,818*	N.A.	1,500*	4,078*	4,082*	N.A.	2,636*	7,814*	7,900*	11,750 <sup>b</sup>
Communist China....	205 <sup>c</sup>	1,325 <sup>c</sup>	N.A.	N.A.	145 <sup>c</sup>	1,570 <sup>c</sup>	N.A.	N.A.	350 <sup>c</sup>	2,895 <sup>c</sup>	N.A.	N.A.
North Korea.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	36*	305	N.A.	N.A.
North Vietnam.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	223 <sup>c</sup>	235 <sup>c</sup>	N.A.
Albania.....	22*	N.A.	N.A.	N.A.	7*	N.A.	N.A.	N.A.	29*	N.A.	N.A.	N.A.
Bulgaria.....	N.A.	447*	N.A.	N.A.	N.A.	398*	N.A.	N.A.	N.A.	845*	950 <sup>c</sup>	N.A.
Czechoslovakia.....	N.A.	1,144*	1,268*	N.A.	N.A.	1,226*	1,360*	N.A.	N.A.	2,370*	2,629*	4,100 <sup>b</sup>
East Germany.....	356*	1,468*	N.A.	N.A.	277*	1,609*	N.A.	N.A.	633*	3,077*	3,200 <sup>c</sup>	4,370 <sup>b</sup>
Hungary.....	179*	552*	652*	N.A.	217*	502*	579*	N.A.	396*	1,055*	1,231*	1,730 <sup>b</sup>
Poland.....	N.A.	898*	924*	1,400 <sup>b</sup>	N.A.	661*	790*	1,200 <sup>b</sup>	N.A.	1,559*	1,713*	2,600 <sup>b</sup>
Rumania.....	N.A.	402*	N.A.	N.A.	N.A.	410*	N.A.	N.A.	N.A.	812*	N.A.	1,400*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated trade for 1965.

<sup>c</sup> Estimated data.

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Table 140  
Trade of the Sino-Soviet Bloc with the Free World, by Country \*  
Selected Years, 1950-60, and 1965 Plan

Million Current US \$

Country	Imports from the Free World				Exports to the Free World				Total Trade With the Free World			
	1950	1959	1960	1965 Plan	1950	1959	1960	1965 Plan	1950	1959	1960	1965 Plan <sup>b</sup>
USSR.....	320*	1,337*	1,812*	N.A.	294*	1,363*	1,480*	N.A.	614*	2,700*	3,292*	4,750
Communist China....	425 <sup>c</sup>	735 <sup>c</sup>	N.A.	N.A.	440 <sup>c</sup>	645 <sup>c</sup>	N.A.	N.A.	865 <sup>c</sup>	1,380 <sup>c</sup>	N.A.	N.A.
North Korea.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	13 <sup>c</sup>	N.A.	N.A.
North Vietnam.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	17 <sup>c</sup>	N.A.	N.A.
Albania.....	<sup>d</sup>	N.A.	N.A.	N.A.	<sup>d</sup>	N.A.	N.A.	N.A.	<sup>d</sup>	N.A.	N.A.	N.A.
Bulgaria.....	N.A.	132*	N.A.	N.A.	N.A.	70*	N.A.	N.A.	N.A.	202*	230 <sup>c</sup>	N.A.
Czechoslovakia.....	N.A.	459*	548*	N.A.	N.A.	501*	569*	N.A.	N.A.	960*	1,117*	1,400
East Germany.....	113*	524*	N.A.	N.A.	129*	513*	N.A.	N.A.	242*	1,037*	1,160 <sup>c</sup>	1,600
Hungary.....	137*	237*	308*	N.A.	112*	264*	287*	N.A.	249*	501*	595*	770
Poland.....	N.A.	522*	571*	600 <sup>b</sup>	N.A.	484*	536*	800 <sup>b</sup>	N.A.	1,006*	1,107*	1,400
Rumania.....	N.A.	100*	N.A.	N.A.	N.A.	112*	N.A.	N.A.	N.A.	212*	N.A.	650

\* A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.

<sup>b</sup> Estimated trade for 1965.

<sup>c</sup> Estimated data.

<sup>d</sup> Less than \$500,000.

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TRADE

Table 141  
Trade of the Sino-Soviet Bloc with the Free World, by Area of the Free World \*  
Selected Years, 1950-59

Thousand Current US \$

Reporting Areas	Imports (Free on Board) <sup>b</sup>				Exports (Cost, Insurance, and Freight) <sup>b</sup>			
	1950	1955	1958	1959	1950	1955	1958	1959
USSR								
Total reporting areas.....	<b>301,098*</b>	<b>601,648*</b>	<b>1,001,237*</b>	<b>1,133,413*</b>	<b>252,101*</b>	<b>635,606*</b>	<b>1,016,538*</b>	<b>1,207,990*</b>
US.....	752*	252*	3,422*	7,398*	38,300*	17,139*	17,558*	28,317*
Canada.....	168*	2,716*	19,495*	13,286*	104*	642*	1,740*	2,402*
OEEC * countries.....	120,280*	270,155*	473,367*	484,831*	154,627*	435,270*	577,857*	737,330*
Other European countries.....	64,802*	155,852*	170,675*	187,144*	23,676*	101,411*	190,954*	204,952*
Near East and Africa.....	33,364*	70,633*	152,010*	149,703*	27,821*	29,101*	129,457*	123,060*
Far East.....	54,521*	22,889*	132,684*	231,036*	6,315*	10,597*	77,261*	84,969*
Oceania.....	26,121*	6,408*	1,933*	12,290*	1,216*	2,188*	1,601*	1,134*
Latin America.....	1,090*	72,743*	47,651*	47,725*	42*	39,258*	20,110*	25,826*
Communist China								
Total reporting areas.....	<b>452,128*</b>	<b>317,263*</b>	<b>767,457*</b>	<b>669,860*</b>	<b>534,695*</b>	<b>487,090*</b>	<b>749,210*</b>	<b>687,407*</b>
US.....	46,548*	3*	5*	3*	146,496*	195*	142*	200*
Canada.....	1,896*	1,030*	8,083*	1,795*	4,884*	3,162*	5,542*	5,158*
OEEC countries.....	56,869*	99,031*	452,193*	395,756*	94,848*	128,352*	183,199*	223,094*
Other European countries.....	395*	12,455*	13,205*	17,853*	265*	4,128*	5,662*	7,252*
Near East and Africa.....	3,543*	27,028*	55,045*	59,391*	15,566*	26,438*	59,088*	58,766*
Far East.....	331,832*	165,038*	196,538*	153,087*	266,807*	317,909*	484,086*	381,979*
Oceania.....	1,897*	6,761*	29,905*	37,238*	5,251*	5,177*	9,473*	9,585*
Latin America.....	9,148*	5,917*	12,483*	4,737*	578*	1,729*	2,018*	1,373*

See footnotes at end of table.

Table 141 (Continued)

Thousand Current US \$

Reporting Areas	Imports (Free on Board) <sup>b</sup>				Exports (Cost, Insurance, and Freight) <sup>b</sup>			
	1950	1955	1958	1959	1950	1955	1958	1959
European Satellites								
Total reporting areas.....	<b>791,600*</b>	<b>1,158,058*</b>	<b>1,636,380*</b>	<b>1,853,899*</b>	<b>939,758*</b>	<b>1,283,650*</b>	<b>1,685,541*</b>	<b>1,770,282*</b>
US.....	25,949*	6,791*	109,152*	82,035*	42,285*	38,666*	46,125*	52,152*
Canada.....	3,717*	7,996*	3,744*	24,069*	5,946*	4,223*	9,260*	9,969*
OEEC countries.....	583,395*	770,892*	1,003,209*	1,191,298*	688,010*	825,170*	1,065,005*	1,163,876*
Other European countries.....	16,265*	70,205*	146,223*	140,244*	46,637*	135,608*	202,752*	167,544*
Near East and Africa.....	29,664*	89,159*	153,993*	171,446*	65,200*	94,145*	216,698*	208,881*
Far East.....	28,388*	67,635*	67,006*	82,198*	26,906*	57,032*	53,166*	62,682*
Oceania.....	42,801*	44,680*	53,156*	56,151*	15,598*	8,780*	9,841*	8,721*
Latin America.....	61,421*	100,700*	99,897*	106,458*	49,176*	120,026*	82,694*	96,457*
Sino-Soviet Bloc <sup>d</sup>								
Total reporting areas.....	<b>1,544,826*</b>	<b>2,076,994*</b>	<b>3,413,501*</b>	<b>3,675,233*</b>	<b>1,726,554*</b>	<b>2,416,179*</b>	<b>3,469,278*</b>	<b>3,690,528*</b>
US.....	73,249*	7,046*	112,579*	89,436*	227,081*	65,656*	68,267*	87,831*
Canada.....	5,781*	11,742*	31,322*	39,150*	10,934*	8,027*	16,542*	17,529*
OEEC countries.....	760,544*	1,140,097*	1,928,890*	2,077,959*	937,485*	1,388,926*	1,826,656*	2,130,164*
Other European countries.....	81,462*	238,512*	330,103*	345,318*	70,578*	241,147*	399,368*	379,809*
Near East and Africa.....	66,571*	186,820*	361,048*	382,462*	108,587*	149,684*	405,244*	390,902*
Far East.....	414,741*	255,562*	404,534*	476,309*	300,028*	385,581*	627,454*	541,196*
Oceania.....	70,819*	57,855*	84,994*	105,679*	22,065*	16,145*	20,925*	19,441*
Latin America.....	71,659*	179,360*	160,031*	158,920*	49,796*	161,013*	104,822*	123,656*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements.<sup>b</sup> Unadjusted for shipping charges.<sup>c</sup> Organization for European Economic Cooperation.<sup>d</sup> Although the totals for the Sino-Soviet Bloc include North Korea, North Vietnam, and Mongolia, data on trade with these countries are not shown for individual reporting areas.

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TRADE

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Table 142  
Foreign Exchange Rates for Currencies of the Sino-Soviet Bloc <sup>a</sup>  
1961

Country	Unit of Currency	Rate of Exchange			
		In Terms of US \$1		In Terms of 1 Ruble	
		Commercial Rate <sup>b</sup>	Noncommercial Rate <sup>c</sup>	Commercial Rate <sup>d</sup>	Noncommercial Rate <sup>e</sup>
USSR.....	Ruble.....	0.90*			
Communist China.....	Yuan.....	2.50* <sup>f</sup> 4.00*	2.50* <sup>g</sup>	N.A.	1.667* <sup>h</sup>
North Korea.....	Won.....	2.57* <sup>i</sup>	2.57* <sup>i</sup>	N.A.	1.745* <sup>h</sup>
North Vietnam.....	Dong.....	4.00* <sup>j</sup>	4.00* <sup>j</sup>	N.A.	3.08* <sup>h</sup>
Albania.....	Lek.....	50*	150*	55.56*	100*
Bulgaria.....	Lev.....	6.8*	9.52*	7.56*	8.9*
Czechoslovakia.....	Koruna.....	7.2*	14.34*	8.0*	11.6*
East Germany.....	Mark.....	2.22* <sup>k</sup>	4.2*	2.46* <sup>l</sup>	3.9*
Hungary.....	Forint.....	11.74*	23.48*	13.04*	14.0*
Poland.....	Zloty.....	4*	24*	4.44*	15.0*
Rumania.....	Leu.....	6*	15*	6.67*	9.7*

<sup>a</sup> A number followed by an asterisk indicates that the information was obtained directly from official unclassified publications or announcements. Rates of exchange are as of 1 January 1961.

<sup>b</sup> Official rate unless otherwise indicated. Usually the official rate is a result of the legal definition of the currency in terms of gold and may not represent internal purchasing power. This rate, however, usually is reliable for converting trade statistics.

<sup>c</sup> Tourist rates for Free World currencies. These series of rates are inconsistent with the intra-Bloc series.

<sup>d</sup> Official rate unless otherwise indicated. Usually the official rate is a result of the legal definition of the currency in terms of gold and may not represent internal purchasing power.

<sup>e</sup> An intra-Bloc series of rates that probably represents internal purchasing power for travelers and embassy personnel.

<sup>f</sup> Generally accepted conversion rates, with the rate of 2.5 being used in Free World trade and the rate of 4.0 in Bloc trade. As official rates have never been announced by Communist China, these conversion rates have been estimated and therefore represent only approximations to actual rates.

<sup>g</sup> An approximate rate. Actual rates vary depending on the transaction involved and the currency being traded. Actual rates also appear to change from time to time.

<sup>h</sup> Estimate.

<sup>i</sup> A bank rate. North Korea has not announced an official relationship between the won and Free World currencies. This rate probably is used for noncommercial transactions.

<sup>j</sup> An unofficial rate that has been announced in the North Vietnamese press as the relationship of North Vietnamese currency to dollars. This rate probably applies also to noncommercial transactions.

<sup>k</sup> Beginning in 1959, the rate of exchange of 4.2 Deutsche Mark East (East German marks) to US \$1 has been employed in quoting commercial trade totals. No announcement has been made, however, concerning a change in the official commercial rate of exchange.

<sup>l</sup> The unofficial rate actually used in East German accounting of foreign trade transactions is 4.67 Deutsche Mark East to 1 ruble. See footnote k, above.

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MILITARY END ITEMS

Table 143  
Construction of Naval Ships <sup>a</sup> in the Sino-Soviet Bloc  
Selected Years, 1950-60

Country	Thousand Light Ship Displacement Tons <sup>b</sup>				
	1950	1955	1958	1959	1960
Sino-Soviet Bloc.....	<b>64.8</b>	<b>148</b>	<b>75.9</b>	<b>98.4</b>	<b>107</b>
USSR.....	64.6	140	59.3	83.8	93.4
Communist China.....	0.20	1.50	9.50	10.5	9.50
European Satellites.....	<b>Negl.</b>	<b>6.33</b>	<b>7.09</b>	<b>4.17</b>	<b>3.68</b>
East Germany.....	<i>Negl.</i>	4.51	3.92	<i>Negl.</i>	0.63
Poland.....	<i>Negl.</i>	1.82	3.17	4.17	3.05

<sup>a</sup> Including major and minor combatant types but excluding naval auxiliaries.

<sup>b</sup> Light ship displacement is the weight of the ship complete, ready for service in every respect, including permanent ballast and liquids in the machinery at operating levels but excluding the crew and their effects and any items of consumable or variable load such as stores, fuel, and cargo.

Table 144  
Inventory of Naval Ships, by Type <sup>a</sup>  
as of January 1961

Country	Units						
	Surface Ships						
	Aircraft Carriers	Battle-ships	Cruisers	Destroy-ers	Patrol Ships	Mine Ships	Subma-rines
NATO <sup>b</sup> .....	<b>39</b>	<b>9</b>	<b>65</b>	<b>661</b>	<b>646</b>	<b>941</b>	<b>261</b>
US.....	25	8	46	369	301	208	150
Belgium.....	0	0	0	0	1	52	0
Canada.....	1	0	0	43	5	10	0
Denmark.....	0	0	0	2	30	25	3
France.....	3	1	3	56	43	124	20
Greece.....	0	0	1	10	15	18	2
Italy.....	0	0	3	15	46	96	6
Netherlands.....	1	0	2	21	14	59	5
Norway.....	0	0	0	4	24	17	8
Portugal.....	0	0	0	11	21	16	3
Turkey.....	0	0	0	8	18	35	10
UK.....	9	0	10	116	77	221	52
West Germany.....	0	0	0	6	51	60	2
Sino-Soviet Bloc.....	<b>0</b>	<b>0</b>	<b>23</b>	<b>214</b>	<b>1,490</b>	<b>727</b>	<b>457</b>
USSR.....	0	0	23	192	1,010	516	413
Communist China.....	0	0	0	8	247	36	29
North Korea.....	0	0	0	0	37	22	0
North Vietnam.....	0	0	0	0	34	4	0
European Satellites.....	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>162</b>	<b>149</b>	<b>15</b>
Albania.....	0	0	0	0	18	11	0
Bulgaria.....	0	0	0	3	24	19	5
East Germany.....	0	0	0	4	38	54	0
Poland.....	0	0	0	3	49	31	7
Rumania.....	0	0	0	4	33	34	3

<sup>a</sup> Source: For the Sino-Soviet Bloc and NATO (except the US): Navy, ONI, 30-SD, *Strength and Disposition of Foreign Navies*, 30 January 1961, SECRET; for the US: Navy, OPNAV, Op-333C/mlt Ser 02501-P33, *Report of Inventory and Assignment of Naval Ships as of 31 December 1960*, 6 January 1961, CONFIDENTIAL.

<sup>b</sup> Including active and reserve fleets. Except for Norway, escort ships (DE) have been reclassified as principal combatant ships and have been entered as destroyers rather than patrol ships.

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## MILITARY END ITEMS

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Table 145  
Production of Aircraft, by Type <sup>a</sup>  
1959-60

Country	Units							
	Bombers		Fighters		Transports		Others <sup>b</sup>	
	1959	1960	1959	1960	1959	1960	1959	1960
NATO.....	<b>647</b>	<b>586</b>	<b>1,393</b>	<b>886</b>	<b>688</b>	<b>592</b>	<b>10,483</b>	<b>10,367</b>
US.....	530	471	931	630	472	386	9,165	9,169
Belgium.....	0	0	4	0	0	0	0	0
Canada.....	33	28	7	0	4	19	189	47
France.....	35	48	116	12	49	54	403	571
Italy.....	0	0	21	35	0	0	89	55
Netherlands.....	0	0	10	0	26	20	2	3
Portugal.....	0	0	0	0	0	0	28	12
UK.....	49	39	304	209	83	47	283	307
West Germany.....	0	0	0	0	54	66	324	203
Sino-Soviet Bloc.....	<b>97</b>	<b>46</b>	<b>761</b>	<b>669</b>	<b>371</b>	<b>364</b>	<b>2,968</b>	<b>2,991</b>
USSR.....	97	46	221	346	291	304	1,942	1,914
Communist China.....	0	0	194	53	0	0	102	201
European Satellites.....	<b>0</b>	<b>0</b>	<b>346</b>	<b>270</b>	<b>80</b>	<b>60</b>	<b>924</b>	<b>876</b>
Czechoslovakia.....	0	0	1	0	56	60	641	606
East Germany.....	0	0	0	0	24	0	0	0
Hungary.....	0	0	0	0	0	0	18	0
Poland.....	0	0	345	270	0	0	238	258
Rumania.....	0	0	0	0	0	0	27	12

<sup>a</sup> Source: Air, AFIC S-13-61, *Quarterly World Aircraft Production Report, Last Quarter 1960*, 1 January 1961, SECRET.

<sup>b</sup> Including aircraft types such as trainers, communication/utility, and helicopters.

Table 146  
Production of Tanks and Assault Guns in the Sino-Soviet Bloc, by Type <sup>a</sup>  
1959-60

Units										
Country	Amphibious Tanks		Medium Tanks		Heavy Tanks		Medium Assault Guns		Heavy Assault Guns	
	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960
Sino-Soviet Bloc.....	<b>1,400</b>	<b>500</b>	<b>4,900</b>	<b>4,250</b>	<b>800</b>	<b>300</b>	<b>800</b>	<b>0</b>	<b>200</b>	<b>0</b>
				to <b>5,250</b>						
USSR.....	1,400	500	4,000	3,000	800	300	800	0	200	0
				to 4,000						
C o m m u n i s t										
China.....	0	0	0	500	0	0	0	0	0	0
European Satellites..	<b>0</b>	<b>0</b>	<b>900</b>	<b>750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Czechoslovakia...	0	0	600	400	0	0	0	0	0	0
Poland.....	0	0	300	350	0	0	0	0	0	0

<sup>a</sup> Source: For 1959, Army, ACSI, SECRET; for 1960, estimates presented by ACSI [redacted] 1960, SECRET.

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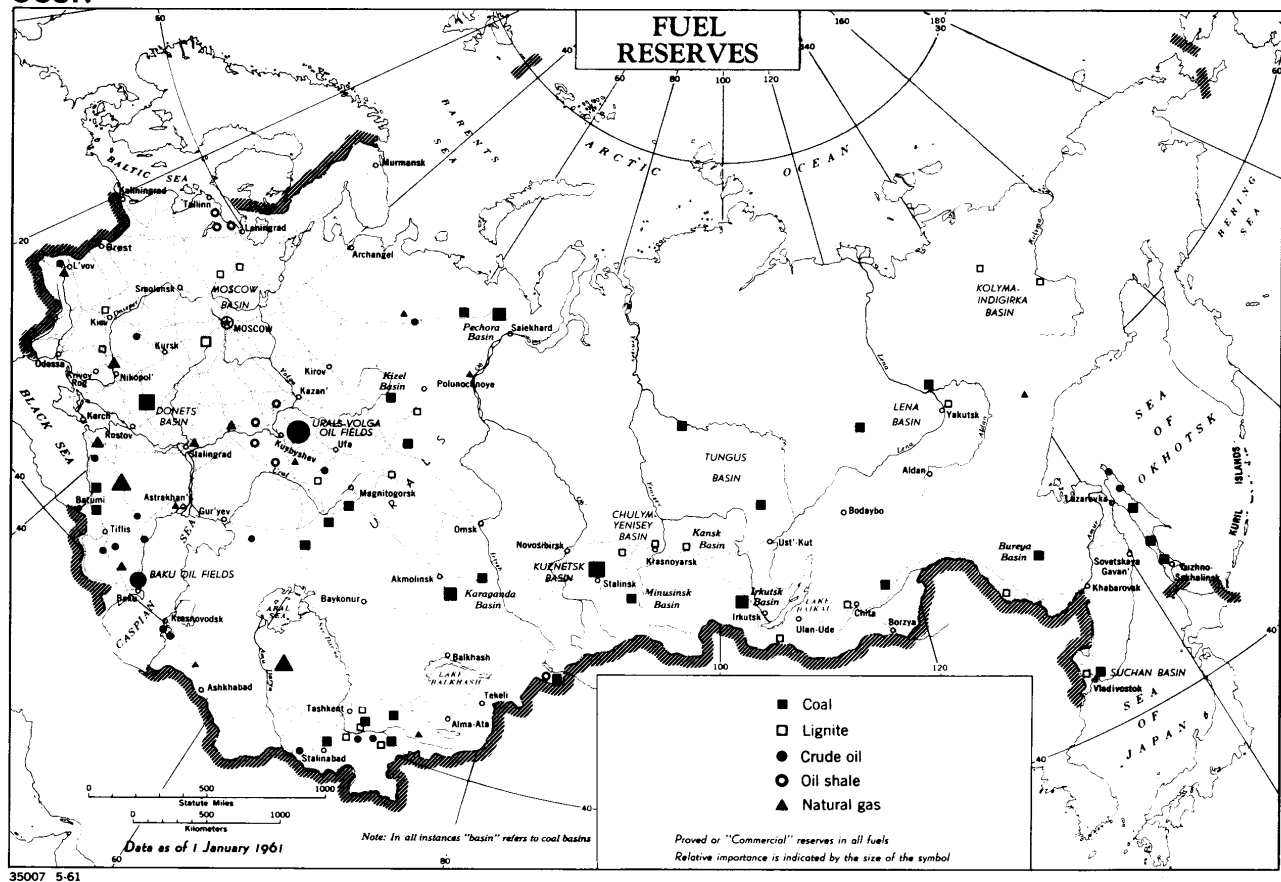
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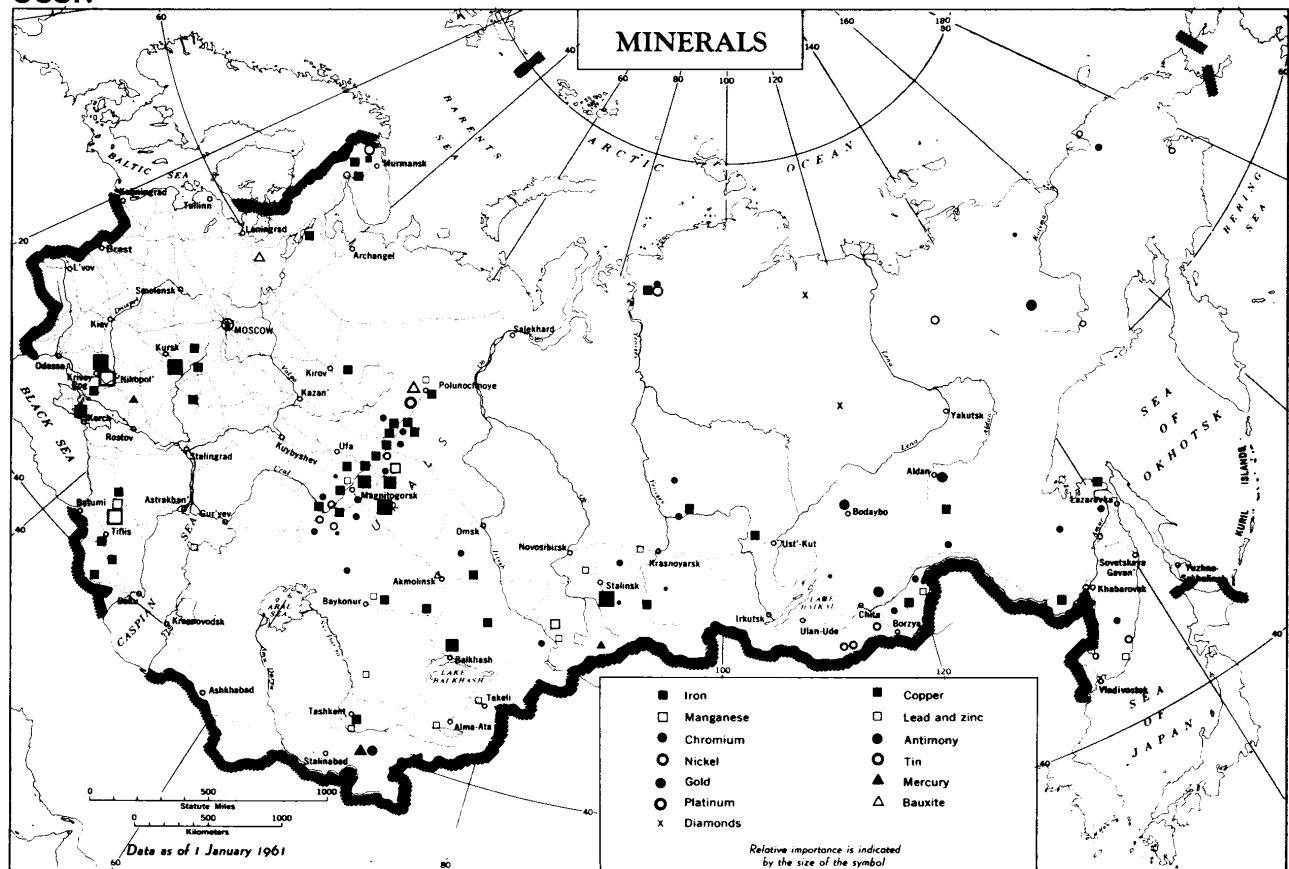
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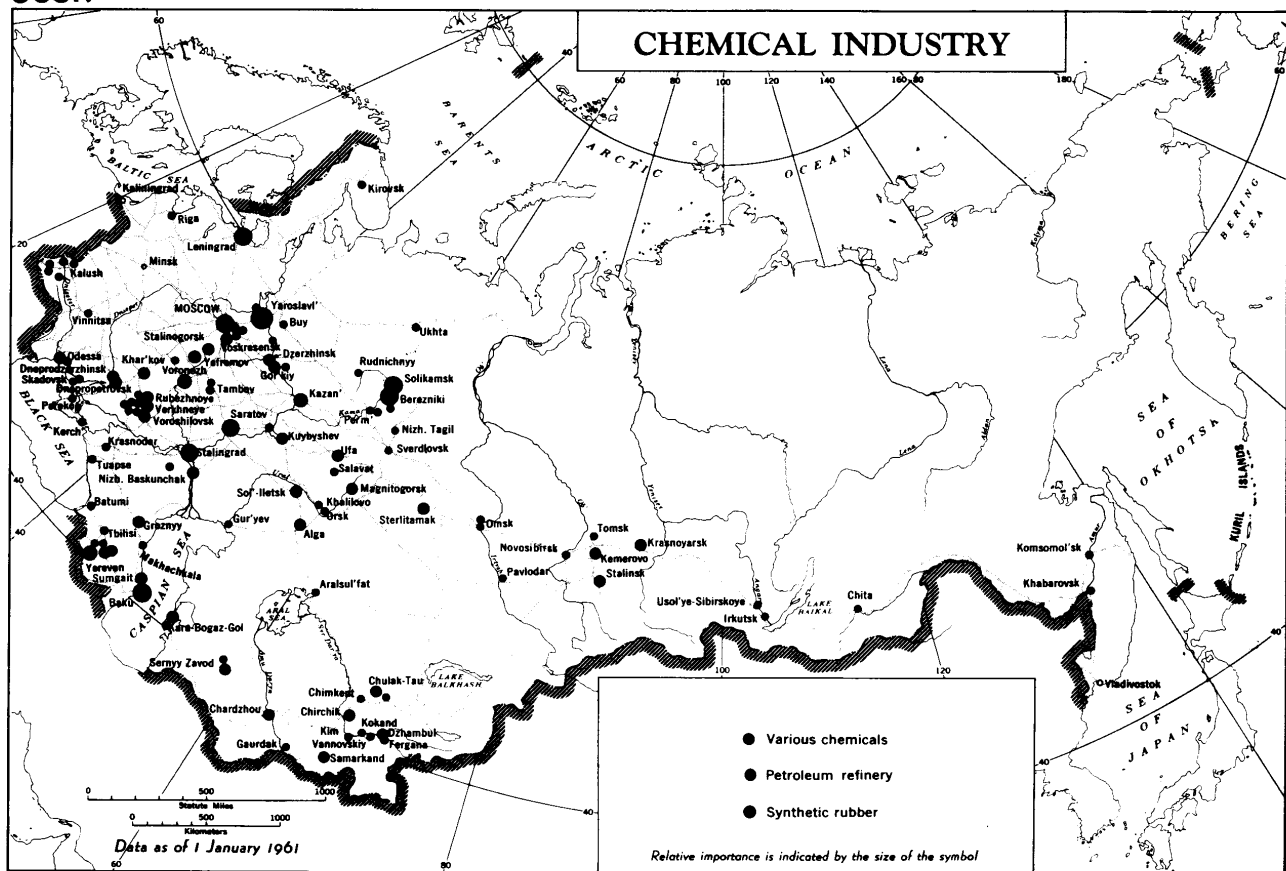


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